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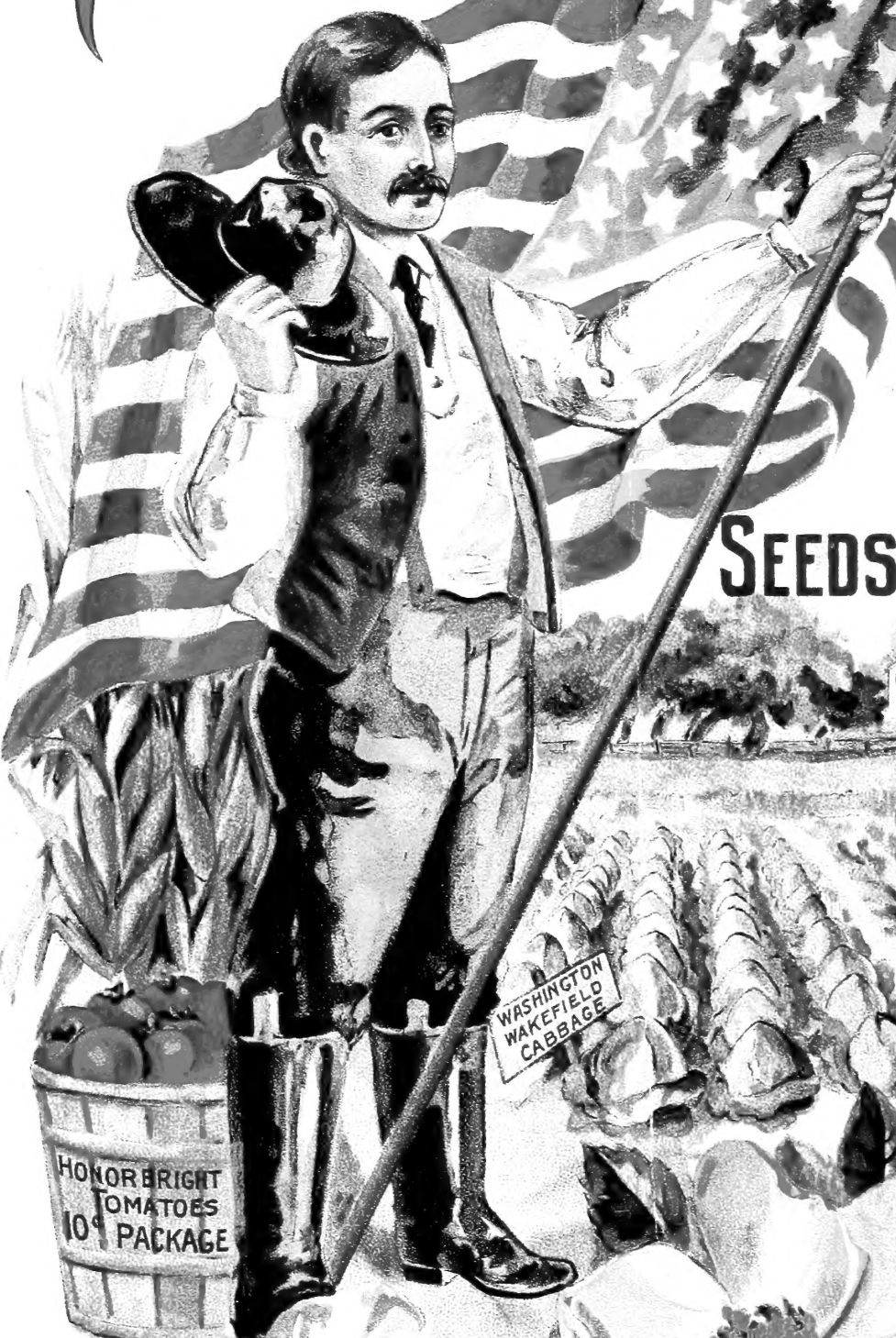
28TH ANNUAL CATALOGUE



IOWA SEED CO

DES MOINES
IOWA

SEEDSMEN TO THE AMERICAN PEOPLE



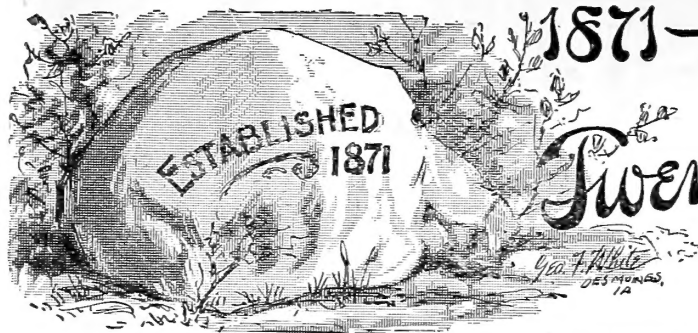
WASHINGTON
WAKEFIELD
CABBAGE



SEEDS ONLY ONE BULBS
THE BEST
QUALITY
PLANTS TOOLS

PLANTS 15¢ EACH. SEEDS 10¢ PER PACKAGE.

BREIT WITKO CO. NEW YORK.



1871

1898

Twenty Seven Years Successful Business!

DES MOINES, IOWA, January, 1898.

TO OUR CUSTOMERS:

It is a pleasant task to talk with our patrons each year through the medium of this catalogue, although we would be much more pleased to take each of you by the hand with a personal greeting and thank you for your orders and kind words. Des Moines is a great place for conventions, and at such times we meet thousands of our customers from other towns each year, who seldom fail to call on us when in the city. For more than a quarter of a century our place of business has been known as THE IOWA SEED STORE, being the largest as well as the oldest seed concern in the state. In every neighborhood in the state our seeds are well known and popular, our trade has extended to every state in the Union, and our highest ambition is to deserve the title which has been applied to us, namely, "**SEEDSMEN TO THE AMERICAN PEOPLE.**"

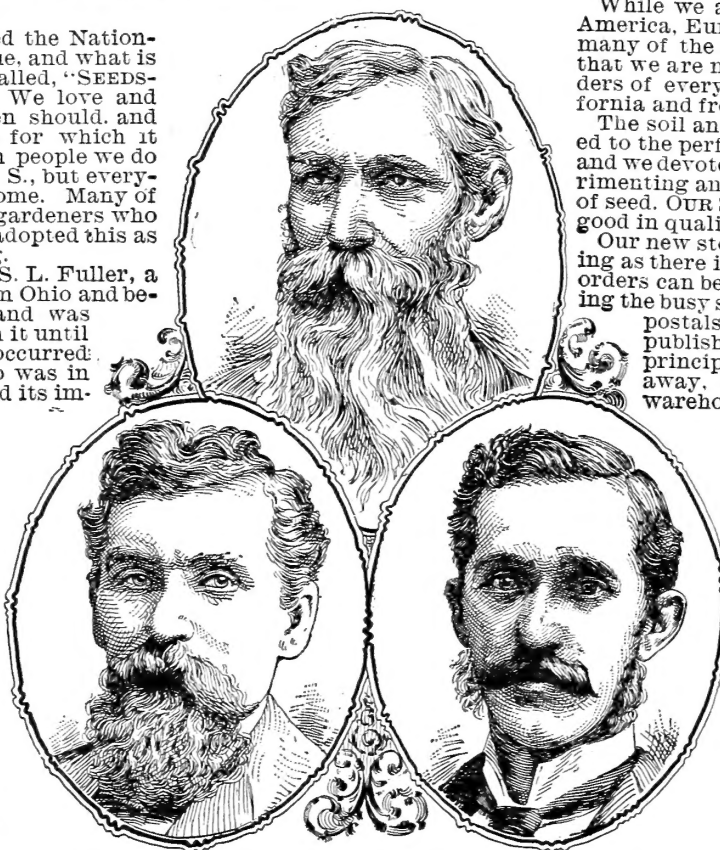
OUR COLORS.

For several years we have illustrated the National colors on the cover of our catalogue, and what is more appropriate for a firm which is called, "**SEEDSMEN TO THE AMERICAN PEOPLE.**" We love and honor the old flag as every true citizen should, and are trying to uphold the principles for which it stands. When we speak of American people we do not mean simply those born in the U. S., but everyone who considers this country his home. Many of our best customers are farmers and gardeners who came from foreign shores and have adopted this as their country and our flag as their flag.

This business was established by S. L. Fuller, a veteran of the late war. He came from Ohio and began the seed business here in 1871, and was more or less intimately connected with it until a short time before his death which occurred in 1893. He was a true seedsman who was in love with his business and appreciated its importance. We should be pleased to hear from any of his old customers.

In the early spring of 1876 Chas. N. Page was employed as a clerk and saved sufficient money to buy an interest in the business in December, 1884. In 1886 he became general manager, and changed the name to Iowa Seed Company as more befitting a business of this kind. He has occupied the same position ever since thus making 21 years' continuous service.

M. Kurtzweil was brought up in Madison county, Iowa, his father being a well known seed grower. In 1879 he began growing seeds for this company and continued each year until 1888 when he moved to Des Moines and became superintendent of our seed farm. In 1889 he sold his farm and bought an interest in the Iowa Seed Co., and in 1895 became its president. He still looks after the seed crops and filling mail orders.



M. KURTZWEIL. S. L. FULLER. CHAS. N. PAGE.

SUGGESTIONS TO CUSTOMERS.

ORDER EARLY.—The best time to order is just as soon as you receive this catalogue, as we can always give your orders more of our personal attention if they come in before the rush of the spring trade. Please use the order sheet, as it makes it more convenient for us in filling orders. Terms are invariably cash with order, as we keep no book accounts in our mail order department, and the expense of sending goods C. O. D. is quite large. Postage stamps received as cash.

SHIPPING.—There are five express companies and fifteen railroads centering at Des Moines, so that quick shipments can be made to any town in the United States.

CHARGES PREPAID.—All Vegetable and Flower Seeds, Bulbs and Plants, except those noted, are sent *prepaid* by mail or express by the quickest and most direct route, unless ordered otherwise, and we guarantee their safe arrival. Seeds sold by the peck or bushel, field seeds, potatoes, implements, and other heavy goods are sent by freight or express, purchaser paying charges.

TESTING.—All seeds are carefully tested, and nothing sent out which we do not believe to be good in every respect.

OUR PRICES.—Our constant aim is to make the *highest quality* the first consideration, and next to put our prices as low as good reliable seeds can be sold.

DISCOUNTS.—ON ALL ORDERS FOR SEEDS IN PACKETS the purchaser may select *twenty-five cents' worth extra* for each *one dollar* sent us. This refers only to seeds in packets, not in bulk. Each year we put up thousands of packets of seeds for free distribution among our customers, by adding liberally of them to orders. We will allow you a discount of ten cents per pound on vegetable seeds, such as are listed as prepaid, if you are willing to have them sent by express or freight at your expense.

SMALL ORDERS.—If you only want a single packet, do not hesitate to send for it. We take as much pains to fill small orders promptly and correctly as we do large ones. Orders for Flower Plants and Nursery Stock, however, must amount to at least fifty cents.

NEWSPAPERS.—We offer a year's subscription to either the *Western Garden*, of Des Moines, or *Farm Journal*, of Philadelphia, to anyone ordering seeds to the amount of \$1.00 or more and asking for it in place of other premium.

WE ARE ALWAYS PLEASSED TO RECEIVE SAMPLES OF ANY NEW, RARE OR SUPERIOR SEEDS YOU MAY SEND US FOR TRIAL.

While we are receiving many orders from South America, Europe, Africa, Asia, Australia, as well as many of the sea islands, still it is the home trade that we are most anxious for, and we solicit the orders of everyone who uses seeds from Maine to California and from the lakes to the Gulf of Mexico.

The soil and climate of Iowa are especially adapted to the perfect growth and maturing of seed crops and we devote much time and labor to testing, experimenting and improving our various choice strains of seed. OUR SEEDS not only GROW but produce crops good in quality and large in quantity.

Our new store is as conveniently arranged a building as there is in America for the seed business and orders can be filled with great rapidity, our mail during the busy season averaging 1,000 to 1,800 letters and postals per day. In last year's catalogue we published photo-engravings of a number of the principal departments. About five blocks away, located beside the railroad tracks is our warehouse, where large quantities of seed are stored and hauled to our city store as needed, no orders being filled from the warehouse except carload lots.

We Grow Our Own Seeds, either on our own place or have them grown under contract for us. Our home farm is devoted to growing small items and stock seeds which we place with practical seed growers and contract for the entire crop which is subject to our personal inspection at all times during the growing season. We handle altogether about 2,000 varieties of seeds and it requires the crop of seeds from about 4,500 acres to supply our trade. Again thanking you for past favors, respectfully soliciting a continuance of your patronage and wishing you a happy and prosperous new year, we remain,

Your friends.

IOWA SEED CO.

WHAT WE GUARANTEE.—That all money sent us for seed shall reach us if sent by registered letter, P. O. or express money order or bank draft, made payable to our order. That your order will be filled promptly and well. That goods ordered will reach you safely. **KEEP A COPY** of your order. Sometimes persons think that they have ordered articles which they have omitted, and blame us for not sending them.

NOTICE.—The importance of GOOD SEEDS cannot be overestimated, and we are certain that after a trial all our customers will agree that our seeds are the purest and best to be had. Still, when it is considered how many are the contingencies on which the success of any crop depends, our customers will readily see that it would be sheer folly for any one to warrant them to produce a perfect crop, and we want it distinctly understood that while we exercise the greatest care to have all seeds pure and reliable, and also true to name, we do not give any warranty, express or implied. If the purchaser does not accept the seeds on these terms and conditions, they are to be returned at once, and money that has been paid for same will be refunded. No officer, agent or employee of this company is authorized to make any warranty whatsoever. However, we have so much confidence in our seeds that we hereby agree to refill any retail order for *vegetable* or *flower* seeds free of charge should they prove otherwise than as we represent them. We know of no responsible seed firm in the world who guarantees seeds any further than this. Compare with other seed catalogues and you will find that we are right.

OUR RESPONSIBILITY.—As this book will probably go into the hands of many who are unacquainted with us, this question will naturally arise, and in answer to the same we refer you by permission to the Valley National Bank of this city, to the postmaster, or to any of the various express companies.

MARKET GARDENERS and others who buy **VEGETABLE SEEDS** IN BULK to the amount of \$5.00 or more, are requested to send for our Market Gardeners' Price List. This list for market gardeners is intended only for large buyers, and is exclusively for those who order vegetable seeds alone by weight or measure amounting to \$5.00 or over. Club orders which call for this amount of bulk seeds altogether are entitled to these prices.

VEGETABLE SEEDS.

In this department will be found only such varieties as have proved after years of trial the best adapted to the soil and climate of Iowa and the central states. Every kind is recommended to our customers. When the selection is left to us we will send such sorts as we know will do well in your locality. Our packets are, we believe, as well filled as any reliable seed dealer's in the United States, and, in fact, a comparison has shown that they contain more seed, on an average, than those of any other firm whose packets we have secured. *We pay the postage at these prices, except on Beans, Peas and Corn by the peck or bushel.*

ASPARAGUS.—*Ger. Spargel.*

One ounce will sow forty feet of drill.

Soak the seed 24 hours in tepid water; sow early in spring, in rows a foot apart; keep clean by frequent weeding and hoeing. Ask for circular giving instructions for making an asparagus bed. Packets contain about 250 seeds.

COLUMBIAN MAMMOTH WHITE.—A new and entirely distinct variety, that produces shoots which are white, and stay white as long as fit for use. It is more robust and vigorous in habit, and throws up larger shoots and fully as many of them as Conover's Colossal and requires no earthing up in order to furnish the white shoots so much sought after. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

PALMETTO.—Stalks frequently measure two inches in diameter, and, even when twelve inches long, are perfectly tender when cooked. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

CONOVER'S COLOSSAL.—The standard variety. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 40c.

ASPARAGUS ROOTS.—See page 21.

BRUSSELS SPROUTS.

Ger. Spresen-Kohl.

One ounce will produce about 3,000 plants.

Of the cabbage family, producing numerous heads on the stem of most delicious quality, as well as a cabbage-like head at the top. If you have never grown it, try it this year and you will be pleased. Use and cultivation same as winter cabbage. Pkts. contain about 800 seeds.

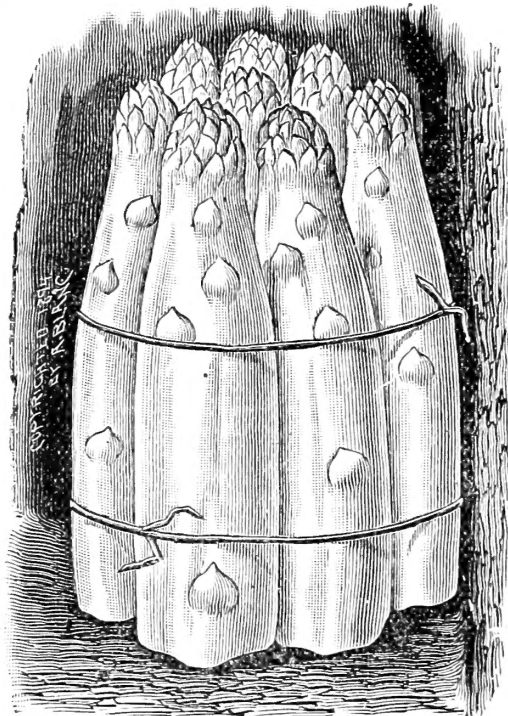
AMERICAN MAMMOTH.—A new and greatly superior variety of American growth which forms heads ready for picking about three weeks earlier than other varieties. It has the additional merit of making stronger plants and making more heads. A probable crop for market gardeners. Pkt. 10c, oz. 40c.

ENGLISH.—Per pkt. 5c, oz. 15c.

AMERICAN MAMMOTH
BRUSSELS SPROUTS.



EXTRA CURLED MOSBACH KALE.



COLUMBIAN MAMMOTH WHITE ASPARAGUS.

BORECOLE, or KALE.

Ger. Blatter-Kohl.

One ounce will produce about 3,000 plants.

This most excellent vegetable deserves to be more generally cultivated, being harder than cabbage, and furnishing most excellent greens during winter and spring. It is also a splendid winter food for poultry. It is quite hardy and is improved by frost. Cultivate same as Cabbage. For winter, sow in September, and treat as Spinach, giving it a light covering of straw or litter to protect from severe cold.

EXTRA CURLED MOSBACH.—The most beautiful Kale grown. Leaves are so finely crimped and curled, and of such a nice light green color that it answers admirably for garnishing. Best quality when cooked. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

DWARF GERMAN GREEN.—Popular for winter greens. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, b. 75c.



BEANS.—Dwarf Bush Varieties.

One quart will plant one hundred feet of drill.

Dwarf or Bush beans require no support, and should be planted in drills an inch and a half deep and drop the beans three inches apart in the drills. Beans are tender annuals, and cannot be planted till danger of frost is past. Keep clean, and do not hill up or hoe when wet. A sandy loam is the best. The half pint packages will be found very desirable for small families. We furnish pints at one-half the quart price. Price includes postage. See special prices by the peck and bushel on page 20. Packets contain about two ounces.

STRINGLESS GREEN POD BUSH.—The only stringless green pod bush bean in cultivation. Consequently it surpasses all others in crisp, tender flavor. The finely shaped, long, green pods are absolutely stringless, and when we add that the pods are ready to market two weeks earlier than the best stock of improved extra early Red Valentines, we are sure that Stringless Green Pod will supply a long felt want. It must prove of immense value, not only to the market gardener who wants to make more money, but also to the amateur who seeks a rare quality early for the home table. Per pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 60c.

ROGER'S LIMA WAX.—See Novelty List. Per pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 65c.

WARDWELL'S DWARF KIDNEY WAX.—Earlier, more productive than Golden Wax; rust proof, vigorous, pods large, showy, tender and stringless, excellent flavor and good for either snap or shell. Per pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c.

CURRIE'S RUST-PROOF WAX.—Crisp and tender and of delicious flavor. As early as the Golden Wax. Amazingly productive. Per pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c.

BLACK WAX.—Popular with market gardeners. Per pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c.

YOSEMITE MAMMOTH WAX.—Pods frequently attain a length of ten to fourteen inches, with the thickness of a man's finger, and are nearly all solid pulp, the seeds being very small when the pods are fit for use. The pods are a rich golden color and are absolutely stringless, cooking tender and delicious. Enormously productive. Per pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c.

IMPROVED EARLY VALENTINE.—About ten days earlier than the common Early Valentine. More robust and vigorous. Per pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c.



IMPROVED GOLDEN WAX.

LARGE WHITE MARROW.—Excellent as a shelled bean; cooks in twenty minutes. Pkt. 5c. ½ pt. 12c. qt. 35c.

RED KIDNEY.—A very popular variety with first-class restaurants, as they possess a peculiarly rich flavor and are very desirable as a shelled bean. Should be grown more generally. Per pkt. 5c. ½ pt. 15c. qt. 50c.

POLE BEANS.

One quart will plant 100 to 150 hills.

These succeed best on clay loams, which should be liberally enriched with short manure in the hills, which are formed according to the variety, from three to four feet apart. From five to six seeds are planted in each hill, about two inches deep. After planting all beans be sure and firm the ground, either with feet or roller.

OLD HOMESTEAD.—This is an improvement on the Kentucky Wonder, and we regard it as far ahead of any other green podded pole variety, and the best, as well as earliest sort, being fit for the table August 1st. It is enormously productive, the pods hanging in great clusters from top to bottom of pole. It is entirely stringless, and the pods are of a silvery green color, and cook tender and melting. Pods are often twelve inches in length, and instead of picking them into a basket, it is customary to pile them up on one arm like kindling wood when gathering a mess for family use. The dry beans are long, oval, dun-colored and of fair quality as a shelled bean. Can be grown with corn to good advantage, and thus secure two crops from the same ground. Per pkt. 5c. ½ pt. 15c. qt. 50c.

Remember

We pay the postage on beans
at these prices.

Deduct 15 Cts.

On each quart if to be sent
by express or freight.

MAMMOTH HORTICULTURAL.—An improvement on the old Horticultural Pole. The beans are of enormous size, splashed and spotted with red, and of the highest quality as a shell bean either green or dry. It originated at Worcester Mass., where it has been grown for several years by one of the leading market gardeners, and he has always been able to command from 25 to 50 cents per bushel more than others for their beans, as his were always of such bright carmine color, and would keep longer after being picked. Pods very large, bright carmine slightly streaked, very handsome and exceedingly productive. It is somewhat earlier than the parent variety, shows no rust, and is considered by some eastern gardeners the best pole bean in the world. Per pkt. 5c. ½ pt. 20c. qt. 60c.

KING OF THE GARDEN LIMA.—An improvement on the Large White Lima. While the dried beans are about the same size as the common large Lima, the green beans are of unusual size. The pods are very long, and frequently contain four to six very large beans. Per pkt. 5c. ½ pt. 15c. qt. 50c.

SCARLET RUNNER.—A favorite snap bean in Europe, valuable for table use, or as an ornamental vine. Per pkt. 5c. ½ pt. 20c. qt. 70c.

CUT SHORTS.—The old-fashioned corn-field bean which is so popular and often so difficult to obtain. Per pkt. 5c. ½ pt. 15c. qt. 50c.

WHITE DUTCH CASE KNIFE.—Good green-podded variety. Pkt. 5c. ½ pt. 15c. qt. 45c.

LAZY WIFE'S.—The very best late green podded pole bean. The pods are of a medium dark-green color, broad, thick, very fleshy, and entirely stringless. The pods retain their rich, tender and stringless qualities until nearly ripe and at all stages are unsurpassed for snap shorts. Each pod contains from six to eight round, white beans, which make excellent winter shell beans. Per pkt. 5c. ½ pt. 15c. qt. 50c.

YARD LONG.—A great curiosity, and withal a bean of excellent quality. Pods three feet long and highly ornamental. Tender and of asparagus flavor. Pkt. 10c.

IMPROVED GOLDEN WAX.—In spite of all the new sorts of beans being introduced every year, our trade calls for more Golden Wax than any other variety. This great popularity is due largely to the fact that the variety we have is a great improvement on the old Golden Wax having larger pods and being much more prolific. This improved stock is one of the handsomest beans we have ever seen, the pods being of dark, rich golden yellow color and of perfect shape. For family or market you can make no mistake in planting them. Per pkt. 5c. ½ pt. 15c. qt. 40c.

EARLY MOHAWK.—Very early and will stand more cold weather than most bush varieties. It can be planted earlier and often in this way will furnish beans fit for use before any other kind. Vines large, stout, with large, coarse leaves which will stand a slight frost; beans long, kidney shaped, variegated with drab, purple and brown. This variety is much in favor for forcing under glass, as it matures quickly and carries a good weight of long, large pods. Per pkt. 5c. ½ pt. 12c. qt. 35c.

DWARF HORTICULTURAL.—Has all the good qualities of the old Horticultural Pole. Per pkt. 5c. ½ pt. 15c. qt. 50c.

EARLY REFUGEE OR THOUSAND TO ONE.—Most prolific green podded sort, thick and fleshy. Per pkt. 5c. ½ pt. 12c. qt. 35c.

BLUE-PODDED BUTTER.—A most remarkable and strikingly odd novelty. Has compact, bushy plants 12 inches high and bears abundantly. The leaves and stems are of a bright purple color and rich deep-blue pods. The entire pods cook a rich green, are very tender, stringless, and of a rich delicious flavor. Supply of seed very short. Per pkt. 10c.

HENDERSON'S BUSH LIMA.—Grows in compact bush form, producing enormous crops of delicious Lima beans which can be as easily gathered as the common garden bush bean; is at least two weeks earlier than any of the climbing Limas, produces a continuous crop from the middle of July until frost. Enormously productive. A very small patch will supply a family with this splendid vegetable throughout the season. Pkt. 5c. ½ pt. 15c. qt. 40c.

CALIFORNIA BRANCH OR PROLIFIC TREE.—This is quite a valuable variety for field culture; grows about twenty inches high, has stiff, upright branches, and bears immensely, sometimes yields forty-five bushels to the acre. The beans closely resemble the White Navy. Per pkt. 5c. ½ pt. 12c. qt. 35c.

BURPEE'S BUSH LIMA.—A dwarf or bush form of the true large Lima which is of great value. They are of perfect bush form, growing 18 to 20 inches high, of stout and erect growth, yet branching and vigorous. An immense yielder, each bush bearing 50 to 200 handsome large pods, well filled with very large beans of luscious flavor. Does not always mature dry shelled beans in this latitude, but you are sure of a good crop of green ones. Per pkt. 5c. ½ pt. 15c. qt. 50c.



OLD HOMESTEAD BEANS.

BEETS.

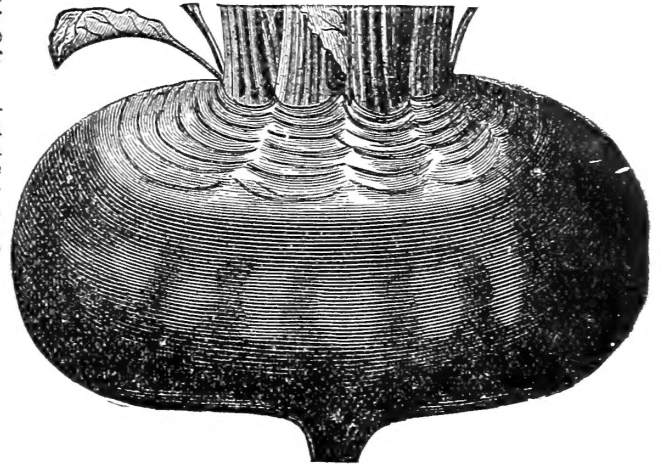
One ounce sows 50 feet of drill; 4 to 6 pounds for one acre.



For early, sow as soon as the ground can be worked, and about the middle of May for general crop, in drills fifteen inches apart and one and a half inches deep. As the plants grow thin to six inches in drills. The young plants make excellent greens. The seed will germinate more freely if soaked in warm water twenty-four hours before sowing; but care should be taken not to plant soaked seed in very dry ground. The soil should be a deep, rich loam.

IOWA SEED CO'S MARKET GARDENER'S BEET.—Undoubtedly one of the best novelties ever introduced, and it receives much praise from our customers each year. Its shape is well shown by the accompanying engraving. It is very symmetrical, with small tap root and but few fibrous roots. Unusually small tops. Although on some soils the Egyptian can be marketed a few days before the Market Gardeners, still within a week it will be found larger than the Egyptian, while it continues to grow until late in the fall, attaining a large size, and making a good eating and selling beet for winter. One sowing only is necessary to produce early beets for market and main crop for winter use. Color, deep blood red; fine grained and unsurpassed in quality. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

CROSBY'S IMPROVED EGYPTIAN.—We believe this to be the earliest variety in existence. It was originated by Josiah Crosby, a leading market gardener for the Boston market, and is a great improvement on the old Egyptian, being thicker, handsomer, and more regular in shape, smooth, with very small tops and small tap root. It is of perfect shape when small thus making a good beet for bunching, and



CROSBY'S IMPROVED EGYPTIAN.

is very popular with the Des Moines market gardeners for this purpose. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

EXTRA EARLY ECLIPSE.—Of rapid growth, small top, and extra fine quality. Roots smooth, round, intense blood-red skin and flesh. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

EGYPTIAN TURNIP.—Very deep red. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

DEWING'S IMPROVED BLOOD TURNIP.—An improvement on the old Early Blood Turnip. Globe shape; deep blood-red color, fine flavor, desirable for main crop; good keeper. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

BASTIAN'S EXTRA EARLY RED.—Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

BLACK QUEEN.—See Novelties. Per pkt. 10c.

SWISS CHARD.—For greens only. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

EXTRA LONG DARK BLOOD.—Standard winter; smooth, tender and sweet. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

MANGELS AND SUGAR BEETS.

Extensively grown in all parts of the country for feeding stock. Sow in April or May, in drills three feet apart, and thin to ten inches in the row. If your soil is deep and mellow, try the long varieties; if shallow the round kinds will do better. No crop pays the farmer or stock raiser better than mangels; 1,000 bushels to the acre is an ordinary yield, while, with good culture, over 2,000 bushels have been grown to this amount of ground. These make the cheapest of foods for all kinds of live stock—horses, cattle, sheep, pigs, chickens, etc. Easily grown and they help to keep stock in good condition and free from disease. Dairyman claim that a bushel of mangels and a bushel of corn are worth more than two bushels of corn. Use 5 lbs. seed to an acre. Full direction for culture, and storing mangels, will be sent on application.

GOLDEN TANKARD.—Best for dairy farming. Considered indispensable among English dairy farmers; it is stated by them they are able to obtain a higher price for milk when feeding cows on Golden Tankard. Sheep thrive on it. Other mangels cut white, circled with yellow, but Golden Tankard is of a rich, deep yellow throughout. Early, hardy and a heavy cropper, for on account of its shape the roots can be left standing close in rows. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 35c. By express, not prepaid, 5 lbs. \$1.50.

CHAMPION YELLOW GLOBE.—Finest type of Yellow Globe in cultivation. Roots immense size, fine shape, small tap root, neat top. Flesh being very firm and fine-grained, renders it an excellent keeping variety. Well adapted to shallow soils. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 45c. By express, 5 lbs. \$1.50.

RED GLOBE.—Like the above except color. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 45c. By express, 5 lbs. \$1.50.

MAMMOTH GOLDEN GIANT.—An improvement on the long yellow mangel, being of considerably greater size, more than half above ground and of a more grayish or rather russet yellow color. Remarkably even in shape, rather elongated, of vigorous growth; it has a fine neck and a very smooth skin. Flesh white, firm and sweet, much liked by cattle. In short, a magnificent root, easily lifted from the ground, producing enormous crops. Excellent keeper; yields 40 to 60 tons per acre. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c. By express, 5 lbs. \$1.50.

MAMMOTH LONG RED.—Very popular sort. Grows to an immense size and has produced sixty-five tons to the acre. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 30c. By express, 5 lbs. \$1.00.

Collection of Mangels. One ounce each of the above six varieties for 30c, $\frac{1}{4}$ lb. of each for 90c, 1 lb. of each for \$2.25, postpaid, or \$1.75 by express.

SUGAR BEETS.

VILMORIN'S IMPROVED SUGAR.—Yields the largest percentage of sugar. Best of the French sugar beets. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

DIAMOND SUGAR.—Grown in Germany from beets which tested 18 to 20 per cent of sugar. Best of German varieties. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

LANE'S IMPERIAL SUGAR.—For feeding stock. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 40c. By express, 5 lbs. \$1.25.



DIGNITY.—An improvement on the Mammoth Long Red by careful selection for a number of years. It stands head and shoulders above all other varieties of mangels; unequalled for yielding and feeding qualities. Grows to a very large size, weighing from 30 to 50 lbs., and will yield 50 tons per acre with good cultivation.

Thousands of western farmers have grown our Dignity mangel and call it the most profitable farm crop they ever tried. If you want large crops of large mangels of good quality, don't fail to try the Dignity. It is very uniform, smooth, and of good shape. Should be grown on deep, loose soil. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 40c. By express, not prepaid, 5 lbs. \$1.25.

CABBAGE.

One ounce of seed will produce about 3,000 plants. Set 8,000 to 10,000 plants to the acre of the early sorts and 6,000 of the large, late kinds.

We pride ourselves on having the best, purest and highest grade of cabbage seed that is offered, or at least it is surpassed by none. Compared with the cost of seed, there is more money in growing cabbage than any other crop and there is nothing which growers should be more particular about.

The cabbage requires a deep, rich soil, and thorough working to insure good solid, full sized heads. Sow early sorts in hot-beds in February or March, or in open ground as soon as it can be worked. Later or winter crops in May or June, in shallow drills six inches apart. When the plants are four inches high transplant into richly manured ground, the early kinds two feet apart, the fall and winter varieties three feet apart. Packets contain about 800 seeds.

NEW WASHINGTON WAKEFIELD.—See description with novelties. Per pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 80c, lb. \$2.50.

DANISH BALLHEAD.—See novelties. Per pkt. 5c, oz. 25, $\frac{1}{4}$ lb 80c, lb. \$2.65.

EARLY JERSEY WAKEFIELD.—Considered by many gardeners the very best first early variety. It is of large size for so early a kind, and is certainly deserving of its great popularity. Heads hard and solid, and have few outside leaves. Our seed is the highest quality—American grown. Per pkt. 5c, oz. 15, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

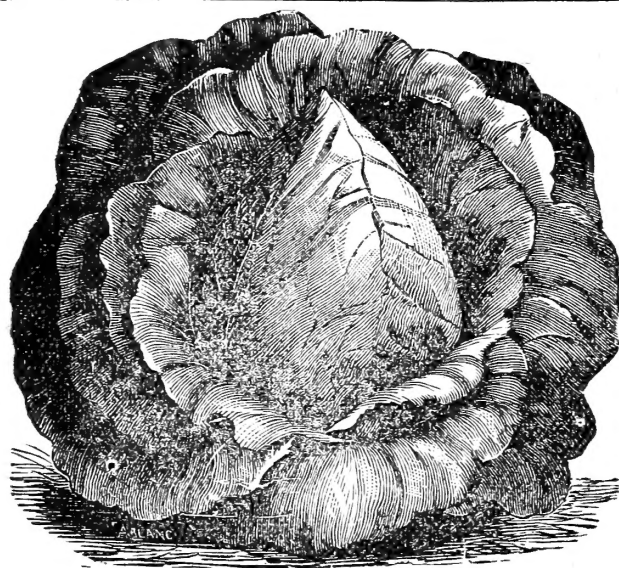
EXTRA EARLY EXPRESS.—Excels in earliness all other sorts; has the shape and appearance of Etampes, but is smaller and eight to ten days earlier; has but few outside leaves and therefore may be planted very close and yield large crops. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb 50c, lb. \$1.50.

ALL SEASONS.—(Vandergaw).—This most excellent variety is as early as Henderson's Summer, and makes considerably larger and harder heads. It is very reliable for heading and of superior quality. It is called "All Seasons" because it is a very superior variety to plant late as well as early, the thickness of the head making it a capital sort to keep through the winter. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

PREMIUM FLAT DUTCH.—This old and well known variety is still the standard winter kind. The heads are large and solid; first class keeper and header. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.10.

Other Well Known Varieties.

ALL FIVE CENTS PER PACKET.	OZ.	$\frac{1}{4}$ LB.	LB.
Very Early Etampes .....	.10	.30	\$1.00
Extra Early York .....	.10	.30	1.00
Early Winningstadt .....	.10	.35	1.25
Henderson's Summer .....	.15	.45	1.40
Fottler's Brunswick .....	.15	.50	1.75
Stone Mason .....	.15	.50	1.75
Surehead .....	.15	.50	1.75
Fine Red Pickling .....	.15	.45	1.50



EARLY JERSEY WAKEFIELD.

IOWA SEED CO.'S SHORT STEM DRUM HEAD.

Our improved and selected strain of this popular variety has greatly pleased thousands of our customers during the past six or eight years, and so greatly has it improved during the time that we have had it, that in looking over our large field it was almost impossible to find a head that was not solid and well formed. For sureness in heading and regularity of growth it is certainly the finest cabbage extant. It far surpasses any other strain which we have seen, ripening evenly with very short stem or stalk, and large, thick, solid heads of silky fine quality, and of best keeping qualities. It is almost all head and always sure to head. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

. NEW .
Short Stem Drumhead
CABBAGE.

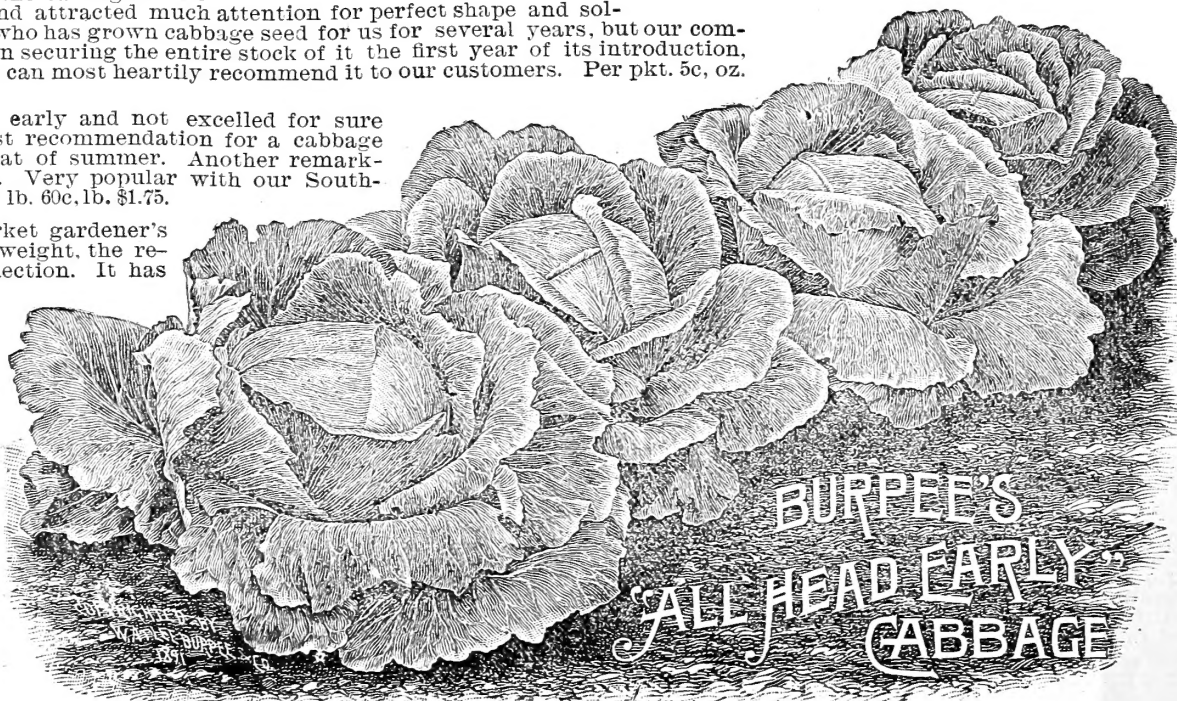
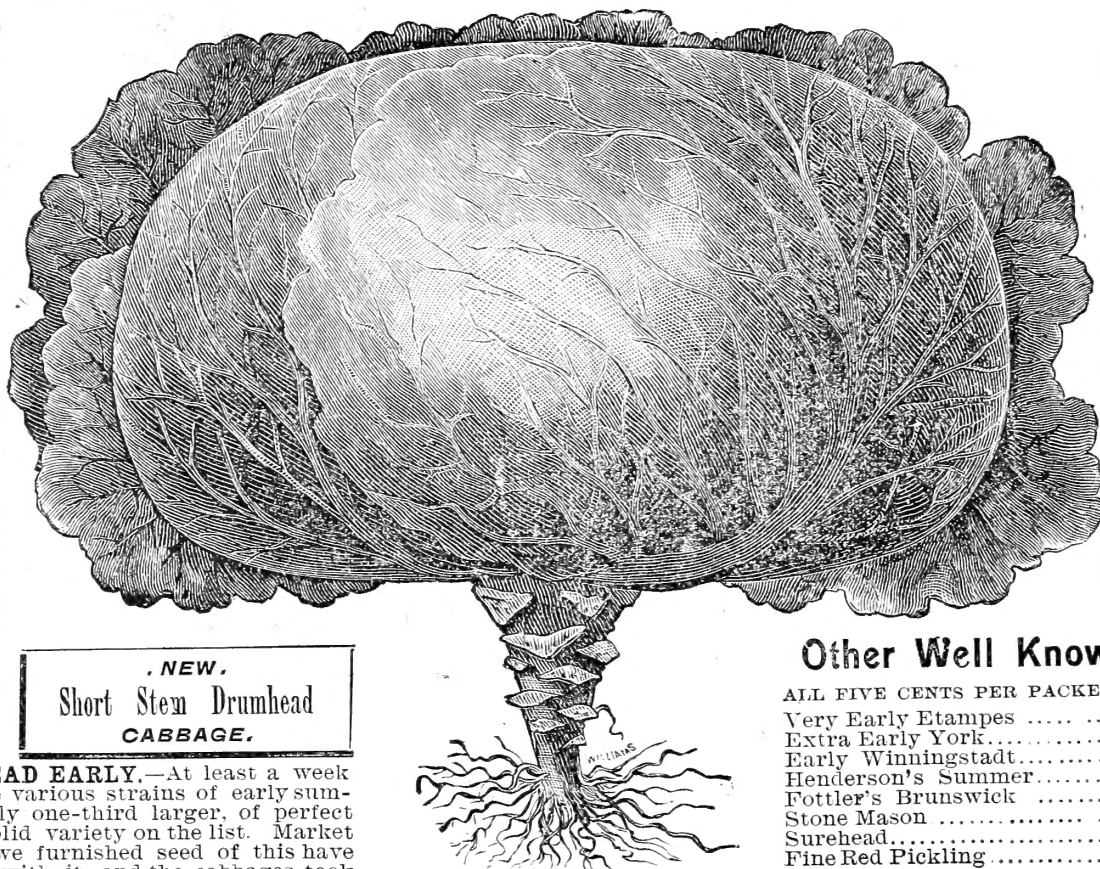
BURPEE'S ALL-HEAD EARLY.—At least a week earlier than any of the various strains of early summer cabbage, and fully one-third larger, of perfect shape and the most solid variety on the list. Market gardeners to whom we furnished seed of this have been greatly pleased with it, and the cabbages took first premium at the State Fair, and attracted much attention for perfect shape and solidity. Originated with C. L. Allen, who has grown cabbage seed for us for several years, but our competitor, Mr. Burpee, was fortunate in securing the entire stock of it the first year of its introduction, and gave it his name. However, we can most heartily recommend it to our customers. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 70c, lb. \$2.00.

CHASE'S EXCELSIOR.—Medium early and not excelled for sure solid heading, which is the highest recommendation for a cabbage which must mature in the trying heat of summer. Another remarkable feature is that it never cracks. Very popular with our Southern customers. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

MAMMOTH RED ROCK.—A market gardener's strain of unusual size, color and weight, the result of careful and intelligent selection. It has proven very valuable. Its handsome appearance, large size, solidity and good quality will make it very desirable to all who like red cabbage. Solid and as good a keeper as any red cabbage. Color very dark red. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb 60c, lb \$2.00.

MARBLEHEAD MAMMOTH.—Largest of all; have in some instances grown to a weight of 90 pounds, and the heads of such size that they would not go into a two-bushel basket. It is a good cabbage for exhibition at fairs when grown under a high culture, but as a rule it is too loose headed and uncertain for a main crop. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

CABBAGE PLANTS.—See list of Vegetable Plants.



BURPEE'S
ALL-HEAD EARLY
CABBAGE



PERFECTION DRUMHEAD SAVOY.

PERFECTION DRUM-HEAD SAVOY.—The Savoy or curly cabbages are of much finer flavor and quality than the best of other kinds, and should be more generally cultivated. They are particularly adapted for private use, where quality rather than quantity is considered. Grown in the fall and allowed to be touched by frost, it is one of the most delicious of all vegetables. The variety we offer is the finest of the Savoy. Heads large, finely curled and an excellent keeper. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.65.

FAULTLESS.—Of the early summer type, but far more regular and uniform in time of maturing. It is a rapid grower; have cut heads for market in 40 days after the setting of plants. Is a good keeper. By sowing the seed July 1, perfectly solid heads will be formed by the time of trenching for winter. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.



FAULTLESS.

CHICORY.—*Ger. Chicorie.*

One ounce will sow about 15 square feet.

LARGE ROOTED.—Used as a substitute for coffee. Cultivate as carrots. Take up the roots in the fall, cut into small pieces and put away to dry. When wanted for use, it is roasted and ground like coffee. It is now being extensively grown in some parts of Iowa and Nebraska for commerce. Pkt 5c, oz. 10c, $\frac{1}{4}$ lb 30c.

COLLARDS.—*Ger. Blatter-Kohl.*

One ounce will produce about 3,000 plants.

GEORGIA.—Sow in May, and treat as cabbage. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

CORN SALAD.—*Ger. Lammersalat.*

One ounce will sow about 20 square feet.

A nice winter salad. Sow in September in drills. Just before cold weather cover with straw or leaves. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c.

CRESS, or PEPPER GRASS.

Ger. Kresse.

One ounce will sow about 16 square feet.

EARLY CURLED.—A well known salad. Sow early and at intervals during the season; cover seeds lightly. Per pkt. 5c, oz. 10, $\frac{1}{4}$ lb. 25c.

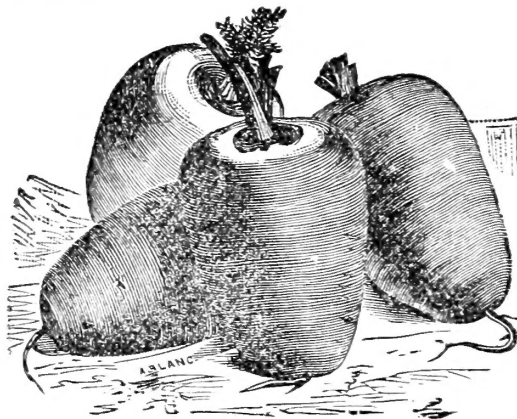
TRUE WATER.—One of the most delicious of small salads. Sow the seeds along the border of running water and cover lightly. Pkt. 5, oz. 25c.

CARROTS.

One ounce will sow 100 feet of drill; 3 to 4 pounds for one acre.

This is an indispensable root for the farm and is deserving of more general cultivation. Well managed, there is no crop pays better, and most farmers would find an acre or so desirable. Carrots form a nutritious, succulent food in the winter for horses, cattle, sheep and pigs. For early crop sow in spring as soon as the ground can be worked, in drills fifteen inches apart, covering one-half inch; thin plants to three or four inches apart in the row. For field culture rows should be of sufficient distance to admit of the use of a horse cultivator; sow seed from the middle of April to the first of June. A light sandy loam, deeply tilled is best. A fair average yield is 800 to 1,000 bushels per acre. Our seed is saved from carefully selected stocks and is sure to please you. Packets contain about 1,200 seeds.

EARLY SCARLET HORN.—Favorite for early crop, but not large. Sold largely in New York markets bunched. Per pkt, 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.



OXHEART CARROT.

OXHEART.—One of the most valuable. Intermediate between the Half-Long and Horn varieties, attaining a diameter of 3 to 4 inches at the neck, of beautiful shape and rich orange color. Where other varieties require digging it is easily pulled. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

DANVERS.—Is in form about midway between the Long Orange and the Shorthorn class, growing generally with a stump root. It is claimed that this variety will yield the greatest bulk with the smallest length of root of any now grown. A first-class carrot for all soils, and for either garden or field culture. A rich, dark orange color, smooth and handsome. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

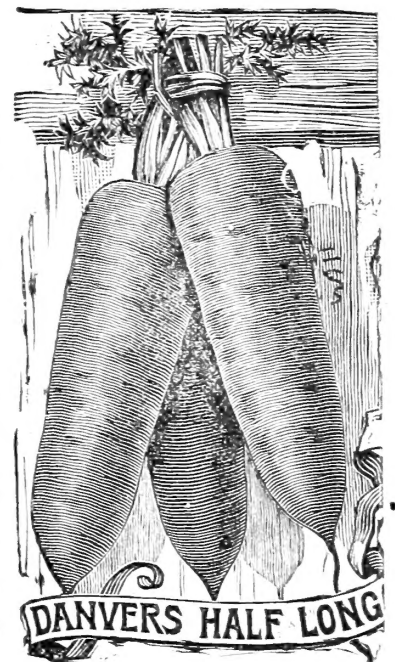
CHANTENAY.—Larger than Scarlet Horn, flesh rich orange color, finest quality, small tops. Medium early. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

LARGE WHITE VOSGES.—Enormously productive, grows well out of ground, making it easy to harvest. Color light green above ground, white below; flesh rich, white, solid and crisp; heavy yielding. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c. By express, 5 lbs. or more, 50c per lb.

IMPROVED LONG ORANGE.—Standard sort for field culture and desirable for table use; roots large and of good quality. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c. By express, five pounds, or more, at 40c per pound.

HALF-LONG CORELESS, or CARENTON.—Excellent flavor for table use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb 30c, lb. \$1.

VICTORIA.—Largest carrot grown, heaviest cropping and most nutritious variety in cultivation; roots remarkably fine, of rich orange color, symmetrical, excellent quality, possessing high feeding properties; heavy cropper on all soils, especially adapted for rich land; grows half as much weight again per acre as ordinary varieties; grows well out of ground, easily harvested. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c. By express, five pounds or more, 50c per pound. Stock breeders should try it.



DANVERS HALF LONG



CELERY.

One ounce will produce about 6,000 plants.

This we consider one of the luxuries of the garden. No one who has once used it will be without it, and as it is usually so expensive in the market, the following simple directions are given, by which everyone who has a garden can supply themselves with it.

For first crop sow the seeds early in hotbeds, or in boxes in the house, or later in open ground, in rich, moist soil, covering the seed very lightly. When the plants are about three inches high, transplant to four inches apart each way in a rich pulverized bed.

The tops are shorn off once or twice before planting so as to insure "stocky" plants, which suffer less on being transplanted. After the ground has been well prepared, lines are struck out on the level surface, three feet apart, and the plants set six inches apart in rows. If the weather is dry at the time of planting great care should be taken that the roots are properly "firmed."

Keep clear of weeds until about the middle of August, when it will be time to begin earthing up. Draw the soil up against the plants with a hoe as closely as possible, firming it enough to keep plants in an upright position.

Later in the season the blanching process must be finished by digging the soil from between the rows and banking it up clear to the tops on each side of the row of celery. Considerable labor is saved by growing the self-blanching varieties.

NEW PINK AROMATIC.—This splendid variety which was introduced by us, will, we think, eclipse all other sorts of its class in popularity as soon as it becomes known. It is of most attractive pink and white color. Crisp and tender; fine aromatic, nutty flavor; the very best celery on the list for winter. Blanching easily. Don't fail to try it. Per pkt. 5c, oz. 30c, ¼ lb. \$1.00, lb. \$3.25.

GOLDEN SELF-BLANCHING.—Of a very handsome form and even growth, reaching a very large size. It is entirely self-blanching. It is unequalled in striking appearance on the table, and decidedly the best keeper of all the self-blanching varieties. Per pkt. 5c, oz. 25c, ¼ lb. 75c, lb. \$2.25.

WHITE PLUME.—The stalks, portions of inner leaves and heart are naturally white and become fit for use by simply tying it up closely with soft twine. More used than any other variety by market and private gardeners. We had a very choice lot of this variety of seed grown for us this year in California. It is of the highest quality and sure to please all. Per pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$1.75.

GIANT PASCAL.—A remarkable novelty in celery. Stalks remarkably large, thick, solid, entirely stringless, very crisp and brittle. It is a vigorous grower and blanches very easily, requiring only five to six days' earthing up, when the outer stalks present a beautiful clear white appearance. Per pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00.

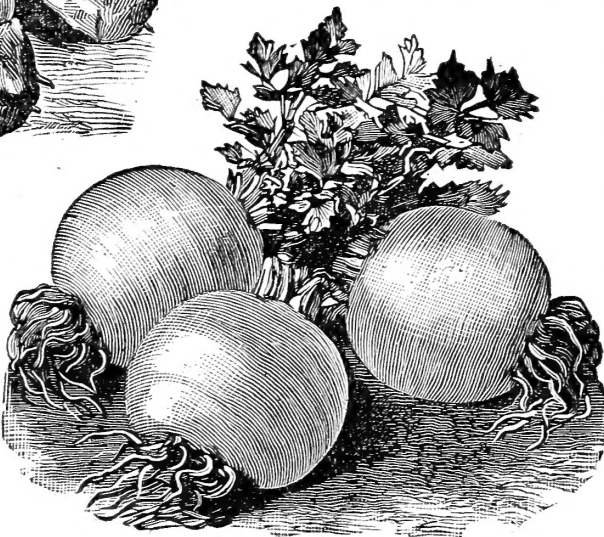
CELERIAC.

OR TURNIP-ROOTED CELERY.

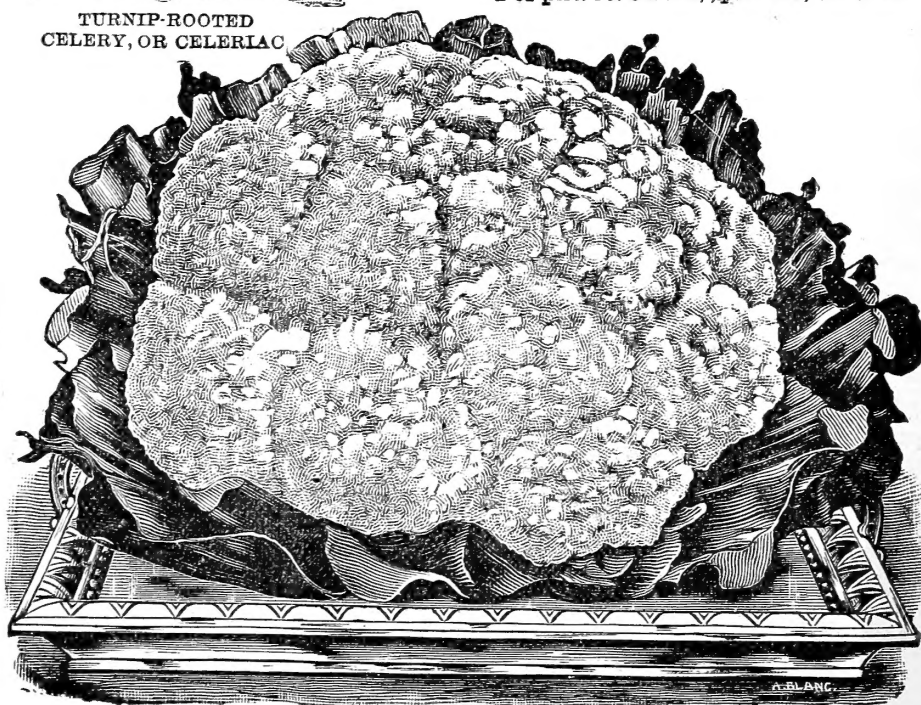
Grown exclusively for its roots, which are *turnip-shaped*, very smooth, tender and marrow-like. The roots are cooked and sliced; used with vinegar, they make an excellent salad, also used for seasoning meat and flavoring soups. Per pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.70.



NEW PINK AROMATIC CELERY.



TURNIP-ROOTED
CELERY, OR CELERIAC



HENDERSON'S EARLY SNOWBALL CAULIFLOWER

HENDERSON'S HALF DWARF.—Per pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.25.

GOLDEN DWARF.—Best of the varieties which need blanching. When blanched the heart is of a rich golden color, excellent flavor, and good keeper. Per pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.25.

BOSTON MARKET.—Per pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

DWARF CRIMSON.—Per pkt. 5c, oz. 25c, ¼ lb. 75c, lb. \$2.50.

KALAMAZOO.—Per pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

OLD CELERY SEED.—For flavoring. Per oz. 5c, ¼ lb. 15c, lb. 40c.

CELERY PLANTS.—See list of Vegetable Plants.

CAULIFLOWER.

One ounce will produce about 3,000 plants.

One of the most delicious of vegetables. Any soil that will grow cabbage will grow cauliflower, as their requirements are very similar. Culture same as cabbage, except that they need a cool and moist atmosphere and should be watered during dry weather. As the flower heads appear, the large leaves should be broken down over them to shield them from the sun and rain.

HENDERSON'S EARLY SNOWBALL.—Throughout the country this is considered not only the earliest of all cauliflowers, but it is more certain to make a head than any other sort. Its dwarf habit and short outer leaves allow it to be planted as close as eighteen to twenty inches apart each way, thus making it especially valuable to market gardeners. Our stock is extra choice and cannot be excelled. It is grown in the locality where this variety originated, by a grower whom we believe to be the best in the world. Per pkt. 20c, ¼ oz. 75c, oz. \$2.50.

EXTRA EARLY DWARF ERFURT.—Valuable for forcing. A very popular variety in Europe and with eastern gardeners. First quality. Per pkt. 15c, ¼ oz. 60c, oz. \$2.00.

EARLY PARIS.—Well known. Per pkt. 10c, oz. 50.

LENORMAND'S.—There is considerable call in this market for a late variety of cauliflower, and in the Lenormand's we have just what is wanted. It is of large size and produces well formed heads of excellent quality. Per pkt. 10c, oz. 65c.

CAULIFLOWER PLANTS.—See list Vegetable Plants.



COUNTRY GENTLEMAN.

COUNTRY GENTLEMAN

—An improvement on the old favorite Shoe Peg Sweet Corn. Our illustration of a single stalk shows its great productiveness: the crop can be counted on to give three to five ears to a stalk. When this unusual abundance is coupled with the luscious quality, the general superiority of this new variety will be quickly seen. The cob is very small, thereby giving great depth to the kernels, which are of pearly whiteness, and, we cannot say too often—surprisingly sweet and tender. Per pkt. 5c, ½ pt. 12c, qt. 35c.

EGYPTIAN SWEET—Very prolific, and one of the best late sweet corns in cultivation. Per pkt. 5c, ½ pt. 12c, qt. 35c.

STOWELL'S EVERGREEN—This is more largely planted than any other variety, being the general favorite with canners and market gardeners for late use. It is very productive, the ears are of large size, grains deep, exceptionally tender and sugary, and remain for a long time in an edible condition. Per pkt. 5c, ½ pt. 10c, qt. 25c.

BLACK MEXICAN—A black grained variety: one of the sweetest of all kinds. Per pkt. 5c, ½ pt. 15c, qt. 45c.

MAMMOTH SUGAR—This produces the largest ear of any sweet corn, a single ear sometimes weighing as much as two or three pounds; quality very sweet and luscious. Per pkt. 5c, ½ pt. 15c, qt. 40c.

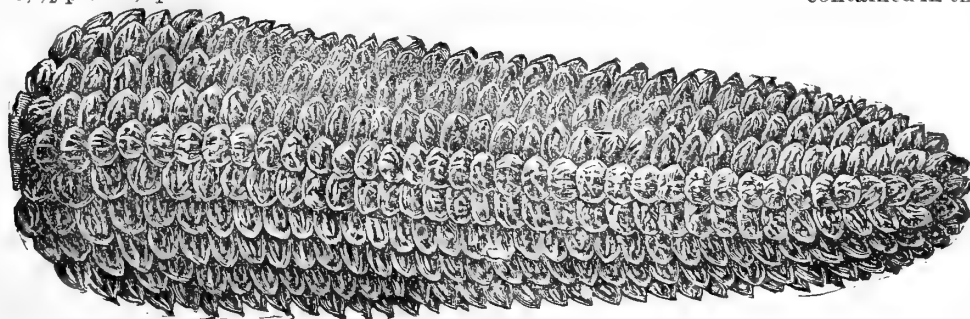
NEW ZIGZAG EVERGREEN—Excels the Stowell's Evergreen in all important points. It is sweeter, more productive (yielding two to four ears to the stalk), and it remains fit for use longer. Private planters and market gardeners who tried this corn will use no other late variety. For canning it is unequalled. Per pkt. 5c, ½ pt. 15c, qt. 40c.

EVERGREEN FODDER—Makes a profitable crop for dairymen. Per qt. 25c.

POP-CORN.

It pays to raise pop-corn as a general crop. It is a sure crop and the demand usually exceeds the supply. Some farmers claim that it is as easily grown as field corn and they receive three to four times the amount per acre for the crop. For main crop the Monarch White Rice will bring the best price per pound, as it is better known among the poppers. Let the children try a small patch anyway for home use.

PAGE'S NEW STRIPED RICE—This splendid variety, which is the result of a cross between the best White and Red varieties of Rice pop corn, we have been at work improving for several years, until now we have undoubtedly the best, handsomest and most attractive variety of pop-corn in existence. "Beautiful!" "Splendid!" "It takes the cake!" is what our customers say of it. The color is a clear translucent white, and each kernel is beautifully striped with bright crimson. Our illustration does not do it justice. The ears are of good size, and well filled out; kernels are long and pointed, resembling rice. Early, very productive, and extremely tender when popped, bursting out very large, white as snow and of finest quality. All should try it. Per pkt. 5c, ½ pt. 15c, qt. 50c.



PAGE'S STRIPED RICE POP-CORN.

SWEET CORN.

One quart will plant 200 hills;
one peck will plant an acre in hills.

Plant as soon as the ground becomes warm in the spring, in hills about 3 feet apart; five or six grains to the hill, and when up thin them out, allowing three or four of the strongest plants to remain. Give thorough cultivation. Our sweet corn is carefully grown and selected, only the choicest, most perfect ears being shelled for seed. It costs us more and is far superior to such stock as is often sold by other dealers. Packets contain about two ounces.

EARLY SUNRISE—The best early variety. See description with novelties. Per pkt. 5c, ½ pt. 15c, qt. 45c.

EXTRA EARLY CORY—This has for years been the most popular variety with market gardeners for first early market and until the introduction of the Early Sunrise it was grown more largely than any other early sort by Des Moines gardeners. It is of dwarf growth, and yields well. Ears of medium size. Per pkt. 5c, ½ pt. 12c, qt. 35c.

CHAMPION EARLY—Without doubt the earliest large corn ever introduced, being only a few days later than Cory, with ears nearly as large as the Mammoth. Ears were grown ready for table use in sixty-one days from time of planting, and they weighed one and one-half pounds each, and were 12½ inches long by 8½ inches around. To help you realize these figures, get the largest ear of field corn you can find and compare measurements. This was grown with special culture. An average size is about nine inches long. It has a medium size white cob and large, pearly white kernels, very sweet, tender and full of milk. No market gardener can afford to be without it, and every family garden should contain at least a few hills. Per pkt. 5c, ½ pt. 12c, qt. 35c.



CHAMPION EARLY SWEET CORN.

We Pay the Postage

On corn at these prices. Deduct ten cents on each quart if to be sent by express, Pints at half quart prices. The half pint packages are very desirable for small families.

**PRICES BY THE PECK
AND BUSHEL ON P. 20.**

EARLY MINNESOTA—The standard early sweet corn. Eight-rowed ears of good size and uniformly sweet and well flavored. Per pkt. 5c, ½ pt. 10c, qt. 30c.

CROSBY'S EARLY—A standard, medium early variety. Per pkt. 5c, ½ pt. 10c, qt. 30c.

IMPROVED RUBY—A most unique novelty. The stalks, husk and cob being a deep ruby red in color, while the kernels are of a snowy whiteness, and look like rows of pearls in contrast with the deep red color of the husks, the effect of which is very striking and beautiful. Very tender, sweet and well flavored. Pkt. 5c, ½ pt. 15c, qt. 40c.



EXTRA EARLY CORY.

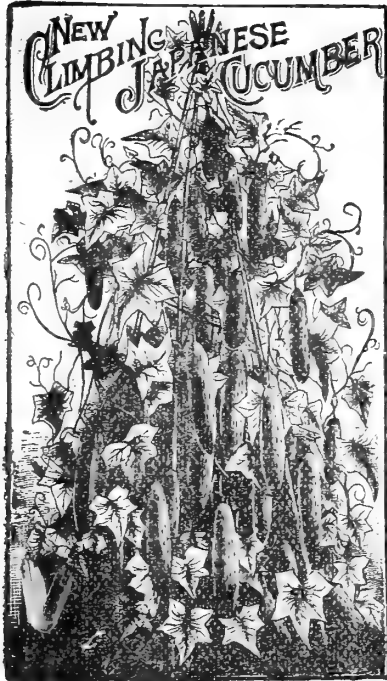
MINIATURE—A regular little beauty. Attractive on account of its small size and handsome, perfect shaped ears which are only two to three inches long, with very deep, pure white kernels which pop out to immense size and are particularly tender and of fine quality. Stalks usually produce from three to eight ears. Per pkt. 5c, ½ pt. 15c, qt. 50.

NEW DYE POP CORN—A new variety of unusual merit, producing sometimes 10 or 12 good sized ears to each stalk. It has a most curious appearance when growing and will attract attention anywhere. The kernel is not so flinty as most other sorts and pops out large and white without the disagreeable hard place which is often so objectionable. The name is given it owing to the large amount of coloring matter contained in the husks; which can be used for dyeing cloth or making ink. These husks are of a dark wine red color as are also the cobs while the kernels are white. Per pkt. 5c, ½ pt. 20c, qt. 65c.

QUEEN'S GOLDEN—Color a peculiar lustrous golden yellow; when popped, of a rich cream color; very prolific. Per pkt. 5c, ½ pt. 15c, qt. 40c.

MAPLEDALE PROLIFIC—The most productive pop-corn, averaging 5 to 12 good ears to the stalk, as many as 19 ears having been taken from a single stalk. Ears uniformly large. Pops to large size and very tender. Per pkt. 5c, ½ pt. 15c, qt. 40c.

MONARCH WHITE RICE—The best white variety grown. It bears from three to six ears per stalk, weighs 36 pounds per bushel of ears when dry, and produces 1,500 to 2,000 pounds per acre. It will pay you to try it. Per pkt. 5c, ½ pt. 15c, qt. 40c.



CUCUMBER.

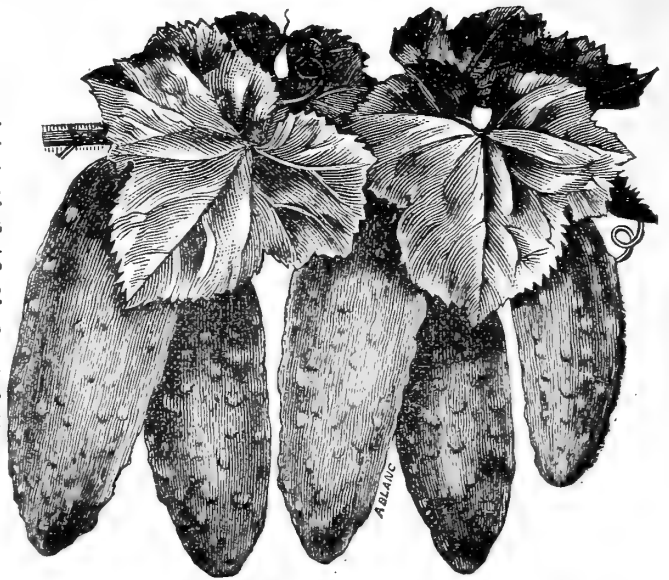
One ounce will plant 50 hills; two pounds will plant one acre.

Cucumbers succeed best in a rich, loamy soil. For first early, sow in hotbeds, in berry boxes, or in small flower pots, six weeks before they can be set out in open ground. When danger of frost is over transplant in hills four feet apart each way. For general crop, plant in open ground in May, about twelve seeds in a hill. When danger of bugs is past, thin to four strong plants in a hill. For pickling, plant in June. Sprinkle the vines with plaster or air-slacked lime to protect from the bugs, or use Slug Shot to kill the bugs.

NEW ASTRO.—A rare novelty, sure to excite the curiosity of your neighbors. With common out-door culture it will grow fifteen to eighteen inches in length, with very few seeds. Excellent for slicing. Flesh white and crisp. More fully described with novelties. Per pkt. 10c, 6 for 50c.

WESTERFIELD'S IMPROVED CHICAGO PICKLE.—Mr. Westerfield, having been engaged in growing pickles for Chicago pickle factories for many years, and also in supplying them with seed for other growers, has watched carefully and selected his seed stock from the most prolific and early maturing vines having the most desirable shaped cucumbers for pickles. Consequently his strain is now considered by all growers in that vicinity to be the best stock to grow. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

JAPANESE CLIMBING.—This may be described as the sensational novelty of Europe. The seed was originally brought from Japan about five years ago, and has proven thoroughly adapted to open air culture throughout Europe and America. The vines are of healthy, vigorous growth, with rich, dark green foliage, and throw out strong, grasping tendrils, which enable

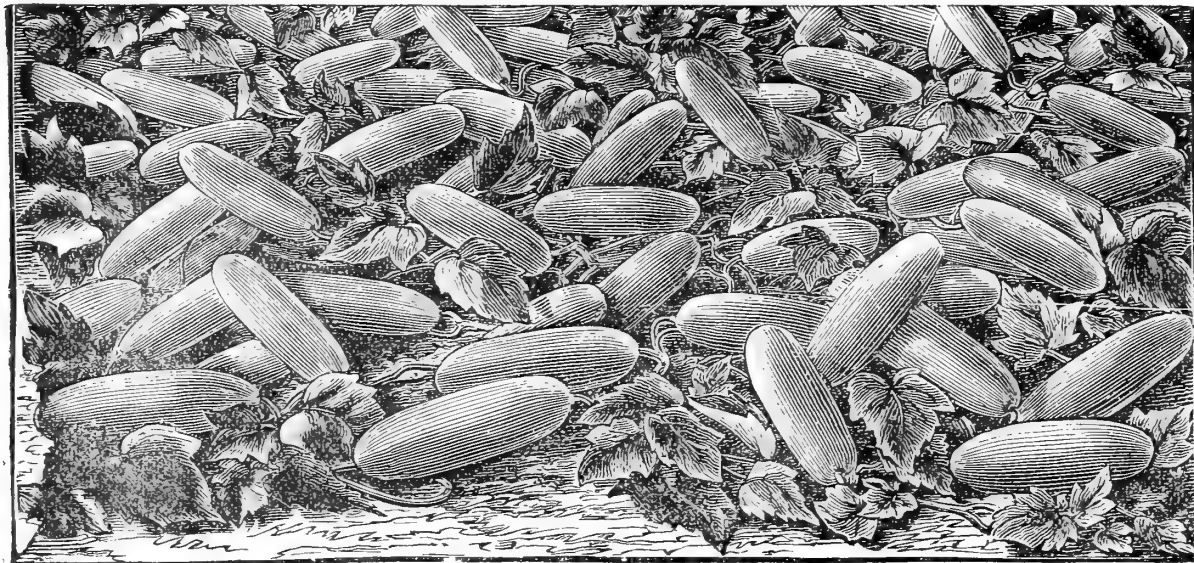


IMPROVED CHICAGO PICKLE.

WHITE PEARL.—Bears freely throughout the season, and the cucumbers grow so thickly together that they actually lie piled one upon the other. The skin is very smooth and entirely free from spines. In color they are a beautiful pearly white; even the young fruits are of a very light color, nearly as pure a white as when ready for use. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25, lb. 75.

IOWA SEED CO.'S PERFECT WHITE SPINE.—For 15 years we have been growing and improving this variety on our seed farm, and as a result we offer to our customers this improved strain, pronounced by good judges superior to either Peerless or Arlington. Fruit of even and good size, straight, well-formed and symmetrical. When small it is deep green in color, and of uniform shape, making it unexcelled for pickling. When of usual size for slicing it still holds its color, shading to a light green at blossom end. As it matures it turns to a clear white. Very showy for market. Immensely productive, and keeps longer solid and crisp than any other variety. Outyields any other for pickles. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c. By express, 5 lbs. or more at 35c per lb.

WEST INDIAN GHERKIN, OR BURR.—Makes a handsome pickle of first-class quality. Be sure and try it. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.



PERFECT WHITE SPINE. (From a photograph taken on our Adair County Seed Farm.)

it to climb trellis, wire netting, brush or any other suitable support. It clings so tightly that it is not prostrated by heavy storms of wind or rain. It comes into bearing quickly and continues to set fruit abundantly throughout the season, while the climbing habit of growth enables the hanging fruit to grow perfectly straight. Of large size, from 12 to 16 inches in length; cucumbers thick, tender, of delicate flavor, cylindrical shape, flesh pure white, skin dark green, turning to brown and netted when ripe; of excellent quality for slicing. They made a grand crop on our place last year. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.20.

EARLY CLUSTER.—Grows in clusters. Productive and of good quality. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

EARLY FRAME, OR SHORT GREEN.—Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

GREEN PROLIFIC.—Splendid pickling sort. Very productive. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

BOSTON, OR JERSEY PICKLE.—Is used almost exclusively by the market gardeners near Boston for pickling. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

IMPROVED LONG GREEN.—Old standard sort; crisp, tender and of good flavor. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

NICHOL'S MEDIUM GREEN.—Fruit medium length, nearly cylindrical, very uniform in shape, and of good color when young. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50.

SNAKE.—A remarkable and very interesting curiosity. Cucumbers grow curled up like a snake with the head protruding, and sometimes are six feet in length. Although attaining great size, the quality is only fair. Grown chiefly as a curiosity, and for exhibition. Pkts. only, 10c each.

GOURDS.

The following varieties will be found quite serviceable in any household. No one would think, without having tried them, of the many uses they can be put to. Cultivate as cucumbers; or they may be trained over lattice work, fences, etc.

JAPANESE NEST-EGG.—Grows almost uniformly to the size, color and shape of a hen's egg. The shells are hard and durable and make the very best nest eggs; as they do not crack. The largest ones, when sawed in two, make excellent pots for starting tomato, strawberry and other plants. Pkt. 5c, oz. 20c.

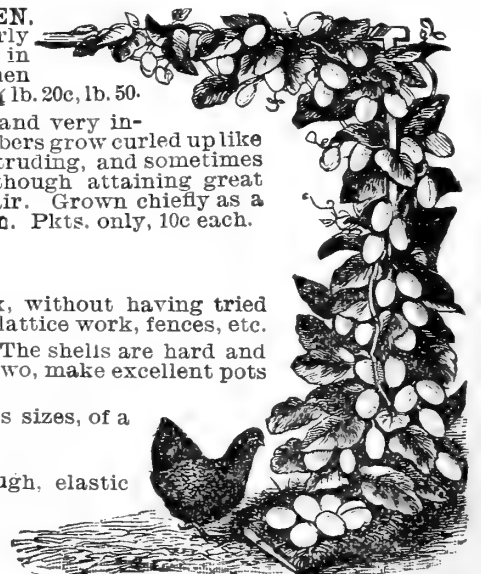
DIPPER.—Makes a more light and convenient dipper than can be bought. Dippers of various sizes, of a capacity of from a pint to a quart and a half, can be had from a few vines. Pkt. 5c, oz. 15c.

SUGAR TROUGH.—Very convenient for buckets, baskets, nest boxes, etc. Per pkt. 5c, oz. 15c.

LUFFA, or DISH CLOTH.—The peculiar lining of this fruit, which is sponge-like, porous, tough, elastic and durable, makes a natural dish-cloth or sponge. The seed should be started early in a hot-bed or in the house. Per pkt. 10c, oz. 40c.

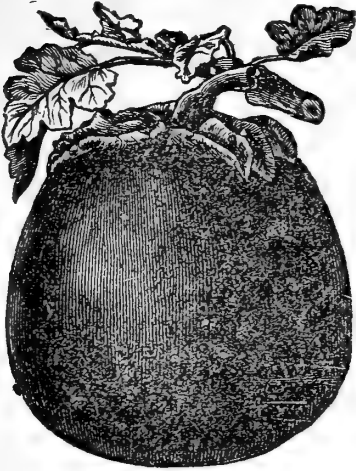
HERCULES CLUB.—Grows to immense size—sometimes 4 to 6 feet long. Per pkt. 5c, oz. 25c.

MIXED UTILITY GOURDS.—Seeds of the above varieties mixed. Per pkt. 5c, oz. 25c.



EGG PLANT.—*Ger. Eierpfansee.*

One ounce will produce about 1,000 plants.



IMPROVED N. Y. EGG PLANT.

EARLY LONG PURPLE.—Hardy and productive; six to eight inches long. Per pkt. 5c, oz. 25c, ¼ lb. 90c, lb. \$2.50.

IMPROVED NEW YORK.—Our strain of this leading market variety we believe to be unsurpassed. Very large size, skin deep purple, flesh white and of excellent quality. Very productive. See cut. Per pkt. 5c, oz. 35c, ¼ lb. \$1.25, lb. \$4.00.

PEARL WHITE.—Pure creamy white, with slight shading of light green near the stem; very fine grain, well flavored and makes one of the most palatable dishes either baked or fried. Per pkt. 10c, oz. 40c, ¼ lb. \$1.40.

ENDIVE.—*Ger. Endivien.*

One ounce will sow 60 square feet.

One of the best and most wholesome salads for fall and winter use. Sow early and thin, cover slightly. Soon as large enough thin to nine inches apart. When leaves are eight inches long tie them together with string near the top to blanch. This must be done when quite dry. Before cold weather, take up for winter, being careful to leave a small amount of dirt around the roots.

EXTRA CURLED.—Pkt. 5c, oz. 15c, ¼ lb. 50c.

ARTICHOKE.—*Ger. Artischoke.*

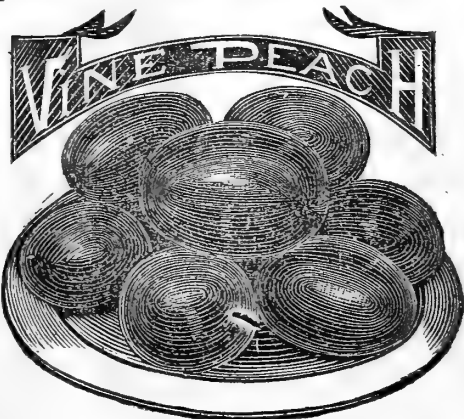
Plant early in spring, in drills, two inches deep. When strong transplant to permanent beds, in rich soil, in rows three feet apart and two feet in the row. They mature the second year. Must be protected in winter.

FRENCH GREEN GLOBE.—Pkt. 5c, oz. 25c.

ARTICHOKE ROOTS.—See Field Seeds.

VINE PEACH.

A splendid novelty which was introduced by us. The vine on which they are borne is somewhat similar to the musk melon vine, and requires the same cultivation. The fruit is about the size of a large peach, oval shaped, and of a bright orange-yellow color, somewhat russeted. For sweet pickles, pies or preserving they are superb. Receipts for preparing them for the table will be sent with each order. In the west and northwest, where fruit is scarce, they are becoming popular, as they are easily cultivated, wonderfully prolific, and can be used in every way in which you would use a peach except that they are not usually liked raw. Per pkt. 5c, oz. 15c, ¼ lb. 50c.

**BROCCOLI.**—*Ger. Broccoli.*

One ounce will produce about 3,000 plants.

Growth and habit like the Cauliflower, except that it is more hardy, and the heads are not as compact. Cultivate the same as Cauliflower.

EARLY PURPLE CAPE.—A popular sort; heads well and is very hardy. Pkt. 5c, oz. 30c.

EARLY LARGE WHITE.—Pkt. 5c, oz. 30c.

OKRA, or GUMBO.

Ger. Essberra Hibiscus.

One ounce will sow about 80 feet of drill.

Why not try Okra this year? It is extra nice for soups, stews, etc., and also much liked when pickled. Sow at the usual time of tender vegetables, in drills two inches deep, leaving the plants from two to three feet apart.

DWARF WHITE VELVET.—Pods round, smooth and of an attractive white velvety appearance, very tender and of a superior flavor. Plants are dwarf and produce the pods in abundance. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.00.

CHERVIL.—*Ger. Gartenkeedel.*

One ounce will sow 100 feet of drill.

CURLED.—Leaves used in soups and salads. Cultivate like parsley. Per pkt. 5c, oz. 20c.

HERBS.

In making up your assortment of seeds for the year don't neglect to order a few varieties of herbs. They should have a place in every vegetable garden. Sow seed in shallow drills one foot apart, and when up thin out and transplant to a few inches apart. The chief point is to harvest them properly, which should be done on a dry day when not quite in full bloom then dried quickly and packed closely, and entirely excluded from the air.

All five cents per packet.

Anise.—Oz. 10c.	Balm.—Oz. 30c.
Borage.—Oz. 15c.	Sweet Basil.—Oz. 20c.
Caraway.—Oz. 10c.	Catnip.—Oz. 50c.
Coriander.—Oz. 10c.	Castor Oil Plant.—Oz. 10c.
Dandelion.—Oz. 30c.	Dill.—Oz. 15c.
Fennel.—Oz. 15c.	Horehound.—Oz. 30c.
Hyssop.—Oz. 30c.	Lavender.—Oz. 25c.
Rosemary.—Oz. 45c.	Sweet Marjoram.—Oz. 30c.
Rue.—Oz. 30c.	Opium Poppy.—Oz. 30c.
Saffron.—Oz. 15c.	Sage.—Oz. 20c, ¼ lb. 70c
Tansy.—Oz. 50c.	lb. \$2.25.
Wormwood.—Oz. 30c.	Summer Savory.—Oz. 20c
Broad Leaved Thyme.—Oz. 40c.	

Mixed Varieties.—A mixture of all the above. Nice garden assortment. Oz. 25c.

CURIOUS VEGETABLES.

ORNAMENTAL MICE.—The vegetable curiosity which has attracted so much attention. It is a native of Central Africa, having a small, neat-growing vine and bears numerous oval fruits, clear green in color, two and a half to three inches long, which are always completely covered with long, light-green spines or hairs. It will be found useful for covering a sloping bank or rockery and will produce great numbers of curious fruits. Per pkt. 5c.

CATERPILLARS.—Prostrate creeping plants with small yellow flowers, changing into "Vegetable Caterpillars." They are grown as curiosities, and sometimes, as a harmless practical joke, are put into the salads for the purpose of startling those who are unacquainted with them. Per pkt. 5c.

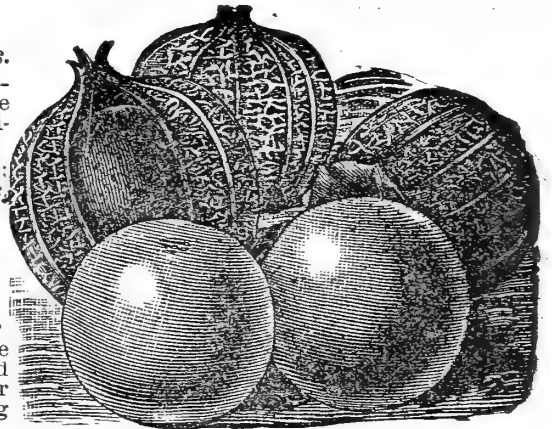
SNAILS.—Another singular variety having most oddly twisted seed-pods resembling snails. Children are much amused with these curious vegetables. Per pkt. 5c.

CHINESE TEA.—We are sure that many of our customers will be glad to grow this as a curiosity, if nothing else. The plant is of a shrubby nature, with beautiful shiny foliage and fragrant blossoms, requiring the same treatment as any tender shrub. Can be kept in pots through the winter. Pkt. 10c.

ALPINE STRAWBERRIES.—Have a peculiar rich flavor, superior to our native sorts. Perfectly hardy and easily grown from seed. Pkt. 10c.

COTTON.—Grown as a curiosity in the north, and, if started early in the house, plants will be loaded with cotton balls in autumn. Pkt. 5c.

EGYPTIAN LENTILS.—Largely used in Oriental countries as a principal article of diet. It was from these that the dish of pottage was made for which Esau sold his birthright to Jacob in Bible times, and many will be interested in them for that reason. Cultivate like peas. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 75c.

**IMPROVED YELLOW GROUND CHERRY. GROUND CHERRY.**

IMPROVED YELLOW.—Another year adds only to the popularity of this already popular little fruit which we introduced, and it is now listed in the catalogues of the leading seedsmen of the country to whom we supply seed. It is a great improvement on the wild Ground Cherry. They grow well on almost any dry soil; are easier raised than the tomato, and are prolific bearers, and oh! such luscious fruit!

For sauce they are excellent, and for pies nothing can equal them for taste and flavor. They are delicious as preserves, and when dried in sugar are much better than raisins for cakes and puddings, and they will keep, in the shuck, if put in a cool place, nearly all winter. No one, after raising them once, will ever make a garden again without devoting a small portion at least to the Ground Cherry. Per pkt. 5c, ½ oz. 25c, oz. 40c.

PURPLE HUSK TOMATO.—This fruit is quite popular in some places. The plants produce handsome purple fruit in great abundance, which are from one to two inches in diameter and enveloped in a husk similar to the yellow Ground Cherry. Per pkt. 5c, ½ oz. 25c, oz. 40c.

GIANT SCARLET.—Also called Chinese Lantern Plant. This is a very popular novelty and has proven quite satisfactory in some parts of this country. Per pkt. 10c.

COLLECTION.—One packet each of the three Ground Cherries for only 15c.

LEEK.—*Ger. Lauch.*

One ounce will sow 100 feet of drill.

Sow early in spring, and when plants are three or four inches high, thin to eight inches apart. Hoe the earth well up to the stalk to blanch it.

LARGE ROUEN.—Largest and most uniform of all. Per pkt. 5c, oz. 15c, ¼ lb. 40c.

GARDEN LEMON.

Introduced by us and it has been highly praised wherever tried. It resembles the Vine Peach in manner of growth, but is distinct in that the unripe fruit is striped with very dark green, nearly black, and when ripe is not russeted like the Vine Peach. Fruit is of the shape shown in our engraving, is somewhat smaller than Vine Peach, has thinner flesh, and is decidedly more acid, thus dispensing with the sliced lemons which are so important in putting up the Vine Peach. Directions for cooking with each packet. Per pkt. 5c, oz. 15c, ¼ lb. 50c.



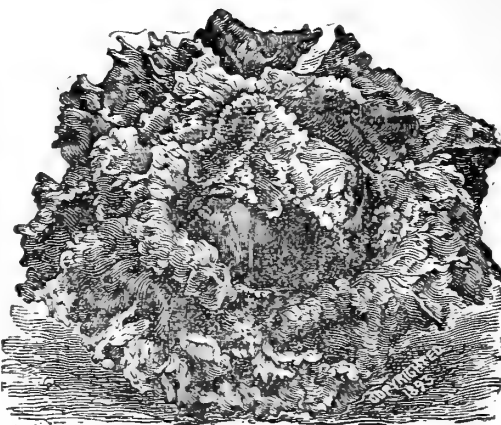


LETTUCE—*Ger. Lattich.*

One ounce will sow 120 feet of drill.

Probably no vegetable is more universally used than Lettuce, and to be fully appreciated it must be brought to the table fresh and unwilted. As it requires but little room, and is of the easiest culture, there are but few families that cannot have it direct from the bed. The quality of Lettuce depends largely upon a rapid and vigorous growth. Sow in hot-bed in March and in open ground as early as it can be worked, thinly in drills one foot apart. For a succession sow every three weeks during the season. The soil should be rich and mellow. Thin out plants as they grow, so that the plants left to head will stand 10 to 12 inches apart in the rows.

PRIZE HEAD.—Very tender leaves of dark reddish brown color, variegated with dark green. Heads large and of good flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.20.



NEW ICEBERG LETTUCE.

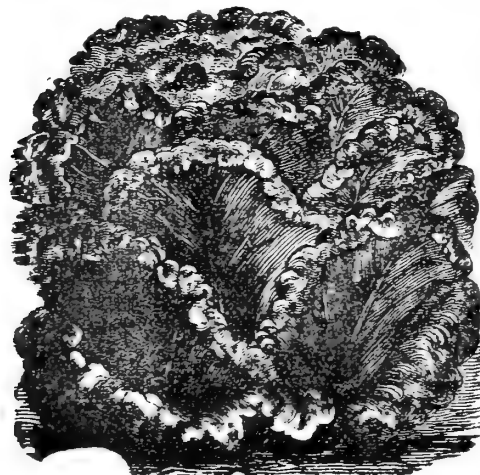
DENVER MARKET.—An early variety of Head Lettuce, either for forcing or open ground. It forms large, solid heads, of a good light green color, and is very slow to go to seed. The leaves are beautifully marked and blistered (like the Savoy Cabbages), and very crisp and tender and of excellent flavor. By these blistered leaves it distinguishes itself from any other kind of Lettuce now grown. The shape of the head resembles somewhat the "Hanson," but is more oblong. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

GRAND RAPIDS.—As many as fifty large greenhouses at Grand Rapids, Michigan, are devoted to forcing this lettuce in winter; the growers have distanced all competitors, and obtained the highest prices in the markets of all the cities to which they have shipped. Of superior quality and beautiful appearance the Grand Rapids Lettuce is a strong grower, free from rot, and keeps crisp and tender without wilting when exposed for sale, longer than any other forcing lettuce. It is also a desirable variety for sowing in the open ground. The engraving is from a photograph. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

CALIFORNIA CREAM BUTTER.—A variety of Cabbage Lettuce, with round solid heads, as shown in the illustration; outside the heads are of a medium green, slightly marked with small brown spots; within, the leaves are of a very rich cream yellow color, most refreshing in appearance, and particularly rich and buttery to the taste. The heads are of good size, compact, very hard and solid. It is medium early, and one of the very best summer varieties of head lettuce we have ever seen. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

EARLY CURLED SIMPSON.—An improved variety of the Curled Silesia, with large, loose heads and excellent flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

BLACK SEEDED SIMPSON.—Nearly double the size of the ordinary Curled Simpson; stands the summer well without becoming tough, or running to seed quickly. Is by far the most popular variety for greenhouse forcing, making large, handsome heads in a very short time. Gardeners claim that our seed is worth far more than any other. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40, lb. \$1.25.



TOMHANNOCK.



MIGNONETTE.—See Novelties. Pkt. 10c.

OAK LEAVED.—Has oak-shaped leaves, the broader part set to stem and pointed at the tip, thus giving it a very unique, handsome and attractive appearance. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.

DWARF WHITE HEART COS.—This is decidedly the best of the Cos or Celery Lettuces, the earliest and longest standing. Of attractive green color, self-blanching the inner leaves without tying up. Quality of heart much superior to any ordinary variety of lettuce. Per pkt. 5c, oz. 25c.

OLD LETTUCE SEED.—For birds. Per lb. 40c.

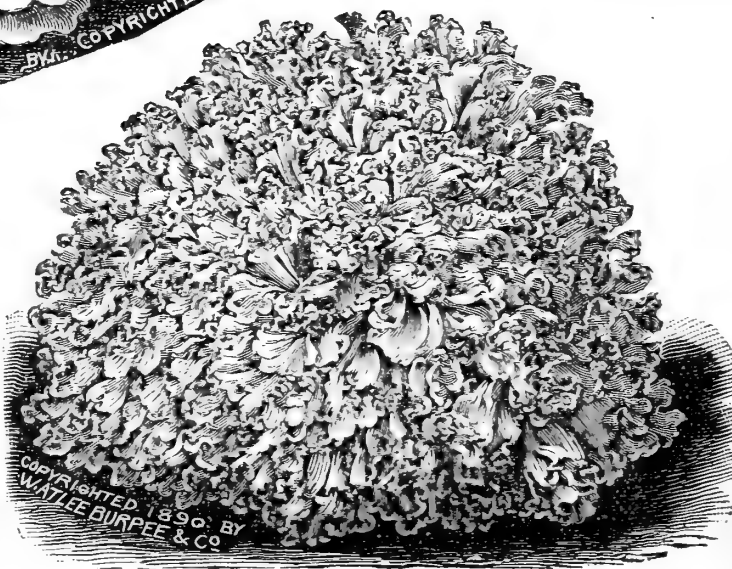
NEW ICEBERG.—There is no handsomer or more solid cabbage lettuce in cultivation—in fact, it is strikingly beautiful. The large, curly leaves that cover the outside of the solid heads are of a bright, light green, with a very slight reddish tinge at the edges. They are usually covered with dewdrops and have a peculiarly crystalline appearance. The center is thoroughly blanched. Whether in early spring or the hottest days in summer, the quality is simply perfect. Surpassingly fine for the home garden and equally valuable for market. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c.

IMPROVED HANSON.—For general use both of market gardeners and in the private garden, we are sure that no variety can surpass our improved carefully selected strains of Hanson Lettuce. It has been so judiciously improved that the heads are so solid that often they do not send up a seed stalk unless cut open with a knife. Heads are very large, green outside and nearly white within, deliciously sweet, crisp and tender, and almost absolutely free from any rank or bitter taste. Resists the summer heat exceptionally well. It cannot be praised too highly. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.20.

TOMHANNOCK.—Forms a beautiful plant, 10 to 12 inches high by 9 to 10 inches across. The leaves grow upright, the upper part of the outer leaves turn outward gracefully, and are of a glossy, reddish bronze, quite ornamental. The leaves are almost white, very tender and crisp; it does not head. Grows quickly and remains for weeks of the finest quality; slow to run to seed. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.50.

MIXED VARIETIES.—Seed of about twenty early, medium and late sorts mixed together, thus giving lettuce for the table during the entire seasons and giving an opportunity to examine all the leading varieties with but little expense. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45, lb. \$1.30.

GREEN FRINGED.—Edges beautifully cut and fringed. A good selling variety. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.



NEW GRAND RAPIDS.

Musk Melon.

One ounce will plant about 80 hills;
two pounds to the acre.

The soil best adapted to the culture of melons is a warm, rich, sandy loam. Plant in hills five or six feet apart each way, ten or twelve seeds in a hill. When they begin to vine thin out, leaving only four of the most thrifty. As melons are very sensitive to the cold, they should not be planted until the settled warm weather begins—in this latitude about the middle of May. Cultivation should commence as soon as the plants appear above the ground, and be kept up once a week until the vines interfere too much. You will be pleased with our melon seeds.

IOWA MASTODON—See Novelties. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

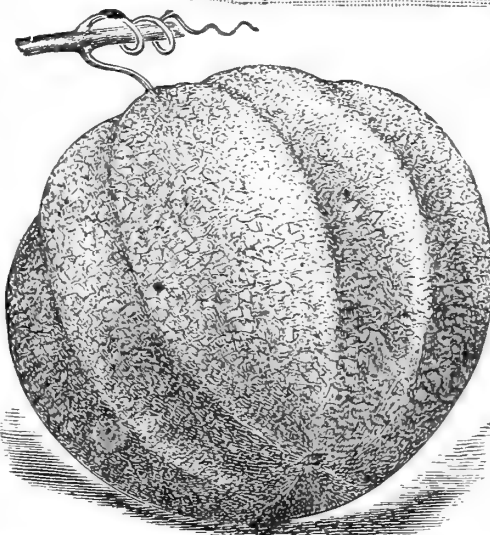
MCCOTTERS' PRIDE—See Novelties. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

GRAND RAPIDS—The main characteristic of this melon is its extreme earliness. Grand Rapids is well known on account of its progressive market gardeners, and in that wide awake city the Grand Rapids melon has been on the market two weeks earlier than any other sort, and sold readily at \$2.50 per dozen to hotels and fancy grocers, while melons grown in the south were practically unsalable. The flesh is pure yellow, clear to the rind; skin finely netted. To attain the best results, and to show its remarkable earliness and productiveness, we would advise our customers to pinch off the runners; while it has no tendency to run more than other varieties, at the same time by throwing the growth into fruit, it makes the fruit of larger size and earlier. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

PERFECTED DELMONICO.—This improved type of the Delmonico melon is almost a perfect globe in shape; the skin a peculiar grayish green until ripe, when it changes to a bright yellow. The melons average six inches in diameter, have a very small seed cavity, and are exceedingly thick and heavy for their size. The flesh is a deep, rich, orange yellow color, is of very fine grain and uniformly high quality. It is a strong, hardy grower and very prolific. We can recommend it either to the market gardener or amateur. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 85c.

BANQUET.—The flesh is dark, rich salmon color, uniformly thick and of that granulated character which always indicates a good melon. Of round shape, densely netted over its entire surface; very handsome. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

MONTREAL MARKET.—Uniformly of large size, averaging from 15 to 20 pounds in weight. Flesh very thick and fine flavor. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.



I. S. CO.'S IMPROVED GREEN NUTMEG.

IOWA SEED CO.'S IMPROVED GREEN NUTMEG.—Everybody is delighted with our improved strain of this most excellent old kind. For many years we have been constantly selecting and improving the old Green Nutmeg melon, until now it is one of, if not the best musk melon in existence, and it cannot be surpassed in rich, delicious flavor. Fruit of a fair size, very rich, melting, and of exquisite flavor. Outside dark emerald green, flesh light green; more productive than any variety we know of. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

IMPROVED EARLY HACKENSACK.—Of large size, rich flavor, and withal is a great improvement on the Turk's Cap or Hackensack in that it is fully ten days earlier. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

OSAGE.—The skin is thin, of dark green color, and slightly netted. The flesh is salmon color, remarkably sweet and spicy in flavor, extremely thick, and delicious to the rind. The seed cavity is very small. It is seldom that one of poor quality is found. The whole crop is very even and extra heavy, owing to the thickness of the meat. All lovers of fine melons should try the Osage. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

PERFECTION, or PRINCESS.—This splendid variety is nearly round, with heavily netted, dark green skin; the flesh is of a rich salmon color, and in flavor it is sweet and luscious beyond description. They ripen early and grow to good size, often weigh 8 to 10 lbs. each. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

BAY VIEW.—This variety is one of the most prolific, best melons in cultivation. It has been grown to weigh from fifteen to twenty pounds and from fifteen to eighteen inches long. It is hardy, vigorous, and continues a long time in bearing. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

CHAMPION MARKET.—A superb variety. Almost a perfect globe in shape, and densely netted, making it one of the handsomest cantaloupes known. Flesh is thick, light green color, and rich, sweet flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

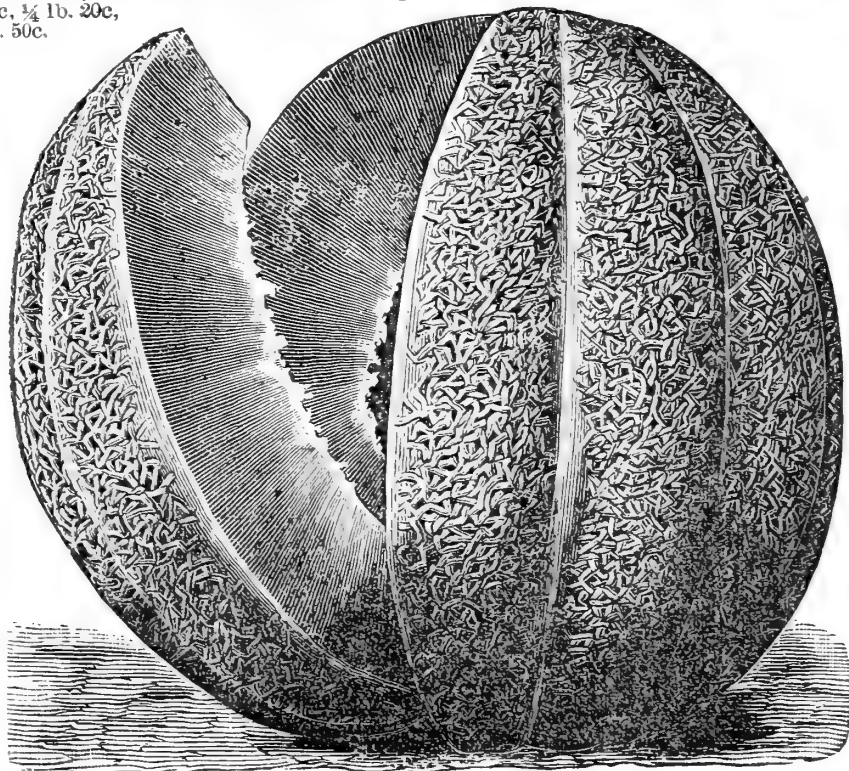
BANANA.—Attains a length of from eighteen inches to three feet three inches, and is from two to four inches thick. Flesh very thick, of a salmon color. It looks almost like an overgrown banana, and smells like one, hence the name. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

WINTER PINEAPPLE.—Entirely distinct from any other variety. They have thick flesh with but a small seed cavity, almost solid. When ripe the outside skin is of rich yellow, intermingled with light green color, spicy, melting and delicious. They do not ripen on the vines like other musk melons, but have to be picked before hard frost and laid away in a cool, dry cellar, where they will keep sound and sweet for months. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

IMPROVED CANTALOUPE.—Flesh of a light yellow color and delicious in flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

EMERALD GEM.—This is one of the most delicious little melons we have ever eaten. The flesh is thick of a suffused salmon color, almost red, and ripens thoroughly to the extremely thin, green rind. It is peculiarly crystalline in appearance, juicy and rich. The flavor is sweet and luscious beyond description. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

MIXED MUSK MELONS.—All of the above and a few other kinds grown separately and the seed mixed together. An ounce of this will make you a nice melon patch, and produce melons throughout the season. Per pkt. 5c, oz. 10, $\frac{1}{4}$ lb. 30c, lb. \$1.00.



OSAGE MELON.

WATERMELON.

One ounce is required for forty hills; three pounds will plant an acre.

A light, sandy soil, with good exposure to the sun, is the best for Watermelons. It should be prepared deep but receive shallow cultivation. Hoe often and thoroughly. Plant in hills eight to ten feet apart each way. Plant eight or ten seeds in a hill, and finally, when danger of insects is past, leave but three strong plants. Thousands of melon growers annually depend on us for their seeds and are universally pleased, claiming that nowhere have they ever obtained seeds so pure and reliable. It pays to have the best. Packets contain about 100 seeds.

ORANGE—See Novelties. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

COLE'S EARLY.—Decidedly the finest early variety for the private garden. It is very early and will mature further north than most other sorts. Of medium size, very productive continuing to bear throughout the season. Flesh of bright red color, of granulated, sparkling appearance. In flavor it is lusciously sweet and refreshing. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 65c.

PEERLESS or ICE CREAM.—(White seeded.) Of unquestionable quality, very early, medium size, thin rind, flesh bright scarlet. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

FORDHOOK EARLY.—Was proved to be the largest early variety on the list. From seeds planted May 10th, ripe melons were produced the last of July. The rind is tough, making it valuable for shipping. Color a uniform medium green; flesh red and very sweet. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

WHITE GEM.—Very productive. The melons are round, of good average size for family use, weighing 15 to 20 pounds each, and of a beautiful cream white color when ripe. The flesh is a rich bright pink, crisp, melting, juicy and sweet in flavor. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 65c.

GYPSY, or GEORGIA RATTLESNAKE—A favorite melon in the south for shipping to northern markets. A nearly variety, large, oblong, skin green mottled and striped, rind thin, flesh crimson and fine flavored. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

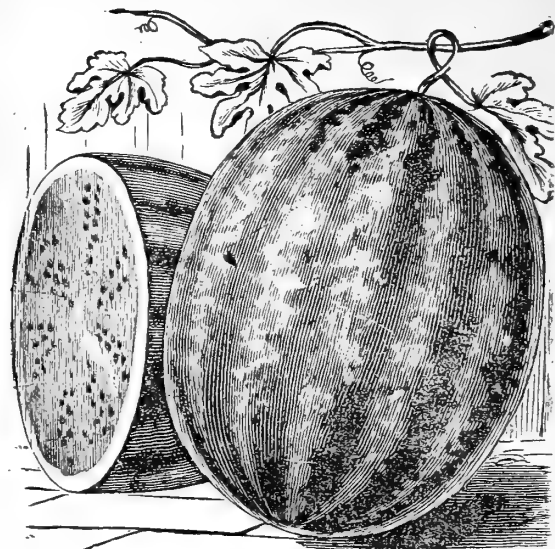
FANCY KOLB'S GEM—Grown by one of the best watermelon growers in the U. S. from carefully selected, pure stock, and this seed is taken from melons weighing not less than 40 lbs. each. Both ends of these melons are cut off and seed saved only from the middle part. Seed selected in this way always gives the best satisfaction, and one pound of it is worth more than ten pounds of unselected seed to the grower who caters to the best trade. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.00.

DIXIE—Very popular with melon growers in some sections. Is a cross between Kolb's Gem and Mountain Sweet, surpassing the former in shipping qualities and fully equaling the latter in fine eating quality and flavor. It is from 8 to 10 days earlier than either, has a remarkably thin, tough rind, and will keep and ship well. Each vine matures 7 to 8 large melons. The flesh is bright scarlet of fine quality almost down to the skin. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

KOLB'S GEM.—This variety, on account of its excellent shipping qualities, is largely grown for shipping purposes. They grow nearly round, and the color is a dark green with narrow stripes of lighter shade. The rind, though quite thin, is very tough. Flesh bright red and of good flavor. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 40c.

PRIDE OF GEORGIA.—Very popular with Des Moines growers. It is of a dark green mottled color, nearly oval, ridged like an orange; grows partly upon its end, is firm will ship well, attains a large size, and is very sweet and crisp. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

OEMLER'S TRIUMPH.—Flesh dark red, mottled with yellow, very early; excellent flavor. Seeds very small. Per pkt. 5c, oz. 25c.



COLE'S EARLY.

WONDERFUL SUGAR.—When making a tour among our seed growers, we were greatly pleased with this variety, which we found growing in Nebraska. The gentleman on whose place they were growing is an enthusiast on melons, and after testing quite a number of varieties, all persons present united in pronouncing the Wonderful Sugar by far the best. It is a large melon, averaging about 35 pounds each. They are long, rather light-colored, mottled, and irregularly striped with dark green; rind rather thin and tough. Flesh a delicate red, and the most tender, juicy and luscious that can be imagined. Every one who has a place to grow melons should try this splendid new variety. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 80c.

DUKE JONES.—This fine melon has a dark green rind slightly striped, flesh bright red, very juicy and delicious. It matures medium early, is very prolific and much larger than the Kolb's Gem. A carload of 800 melons averaging 43 pounds each were gathered from two-thirds of an acre. A prominent grower writes that they produced ripe melons sixty-five days from planting. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

GREEN AND GOLD.—Large size, slightly oval, dark green. Flesh as yellow as gold, sweet as sugar, and of unequaled flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.00.

NABOB.—We are so much pleased with our tests of this fine new variety that we want to share the enjoyment of it with our customers. It is decidedly distinct and attractive, having a peculiarly mottled color of shell. Flesh deepest scarlet, firm and solid, but melting and juicy, and of luscious flavor. Its hardy vines are vigorous, healthy, and productive, its fruit large and heavy (30 to 50 lbs.), resembles the Kolb Gem in shape and uniformity, but differing in color. The rind, although thin, is as firm as some of the winter squashes. The fruit keeps long in good condition and is not excelled for shipping. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

SWEET HEART.—An entirely distinct and new watermelon which is early, large, handsome, heavy, good shipper, long keeper, bright color, and of good quality. Carloads of Sweet Hearts were sold at fancy prices in the market when no other sorts were salable. Its vines are vigorous and productive, ripening its fruit early. The fruit is large, oval, very heavy, uniformly mottled light green and dark green. Rind thin but firm. The flesh is bright red, firm, solid but very tender, melting and sweet. Fruit remains in condition for use longer than any other sort. This variety originated as a sport in the field of a prominent melon grower and he has grown it several years and received fancy prices for his melons. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 50c.

MIXED WATERMELONS.—25 Varieties of the finest watermelons, the largest, earliest, sweetest, and best in cultivation. Grown separate and carefully mixed by us. A chance to test all kinds at a low cost. Try them. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

CITRON MELON

Colorado Preserving.—It makes beautiful, clear, transparent, preserves, of perfect flavor. Very productive. Green seed. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

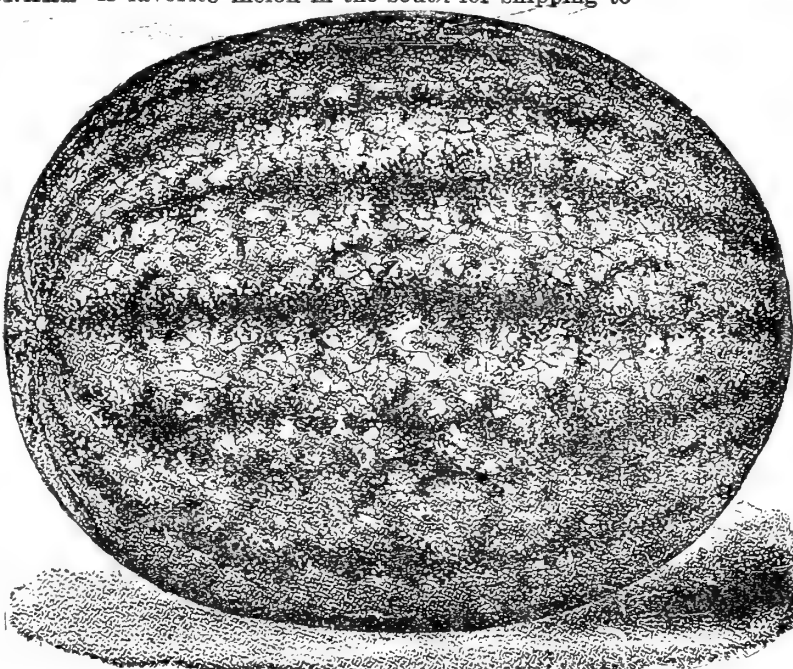
Red Seeded Citron.—The old popular sort for preserving. Per pkt 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

Apple Pie—See novelties Per pkt, 10c

OTHER STANDARD SORTS.

ALL FIVE CENTS PER PACKET.

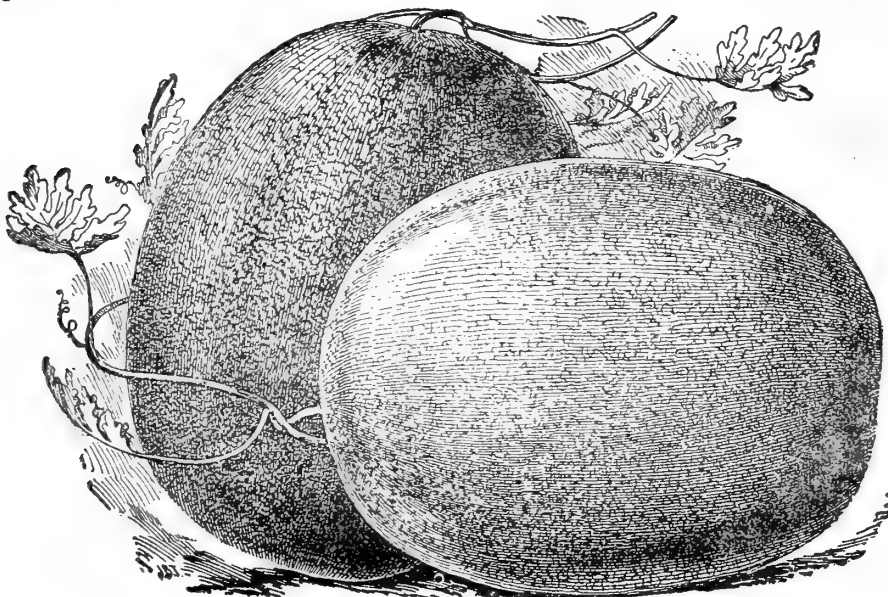
	OZ.	$\frac{1}{4}$ LB.	LB.
Phinney's Early	10	.15	.40
Vick's Early	10	.20	.50
True Dark Icing	10	.20	.50
Cuban Queen	10	.15	.40
Ice King	10	.20	.50
Johnson's Christmas	10	.20	.50
Mountain Sweet	10	.15	.40



FANCY KOLB'S GEM.



A NABOB CONSUMER.



SWEET HEART WATERMELON.

ONION.

One of the most important crops grown, both in market and family gardens, and there is no other vegetable where the quality of the seed exerts a greater influence upon the crop than in onions. There is more money in onions grown from seed than almost any other crop. Good onion seed is of the utmost importance. Fully realizing this, we have for many years made a specialty of onion seed which is all grown from choice, selected bulbs, critically examined before being set out for seed. In vitality it is very strong, being carefully tested. Sowing seed to produce large onions is the cheapest, easiest, best and most satisfactory way. Large onions can easily be grown the first year from the seed by obtaining our seed, which is all American grown, and new crop. It won't pay you to use the cheap, imported, or southern grown

seeds, which produce a large proportion of scullions and onions that will not keep well. Poor seed, even as a gift is the dearest the planter can use. We want you to try our seed, and have therefore put the price down to as low a rate as good, reliable seed can be sold for. In comparing our prices with others, remember that **WE PAY THE POSTAGE**. Deduct 10c per pound if to be sent by express. Ask for prices in large lots. Packets contain 1000 seeds.

WARNING. There is, this year, a large quantity of cheap onion seed being offered which was grown under contract by Chinamen in California, for a seed firm which failed. It will be offered at very low prices, but we warn you to beware of it. Good first-class onion seed cannot be sold at less than our price and we don't believe our customers want to trust Chinese growers.

CULTURE.—One ounce will sow about 100 feet of drill; 4 pounds will sow one acre. As early as the ground can be worked in the spring, sow the seed in drills 14 inches apart, covering one-half inch in rich, sandy soil, which is as free from weeds as possible. Commence hoeing as soon as the rows can be seen; skim the ground over the surface; avoid stirring deeply, and work the soil away from the bulbs. At second hoeing weed carefully and thoroughly by hand. When the tops die, pull and spread evenly over the ground; stir or turn until fully dried, then cut the tops one-half inch from the bulb. For pickles or sets, good ground should be prepared as above, and the seed should be sown very thickly and in broad drills, about 40 pounds to the acre for sets, and 15 to 20 pounds for pickling. For sowing onion seed and cultivating the crop, it will pay you to purchase a good drill and hand cultivator. See description elsewhere. Lang's Hand Weeder (price 30c, postpaid) is the best hand weeder made. Try it. Book on Onions, 20c.

CANARY ISLAND.—See Novelties. Per pkt. 5c, oz. 25c.

YELLOW GLOBE DANVERS.—A very handsome, round or globe-shape variety of large size, with thin, yellow skin, white flesh, fine grained, mild, very firm and the best of keepers. It ripens early and sells readily at the highest prices in our markets. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

LARGE RED WETHERSFIELD.—The standard sort throughout the west, as they are the most hardy, and immense crops can be raised when more tender varieties are not profitable. They grow to a large size, fine form; skin deep, purplish red; moderately fine grained and strong flavor. Very productive and an excellent keeper. Our seed of this variety is extra select and cannot be excelled. Our price is low, but should you want five pounds or more, ask for special rates. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

EARLY RED WETHERSFIELD.—For many years one of the largest onion seed growers in the United States has been carefully selecting, each session, the most perfect, even-shaped onions which matured early and were of regular, uniform size. The result is an extra choice, early maturing, solid and productive sort. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

EXTRA EARLY PEARL.—The earliest and best of all American varieties. It is of good size, of pearly white color, the outer skin having a most showy, waxy appearance; flesh of pure snow white, and flavor so mild that it can be eaten like an apple. It grows with wonderful rapidity. We are sure all who try it will be greatly pleased. Per pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

LARGE WHITE GLOBE.—The handsomest market variety we have ever seen. Large size, oval form, very even, mild and pleasant flavor, good keeper, out-sells every other variety, and is undoubtedly the best white sort. Per pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75.

SOUTHPORT RED GLOBE.—This is a very handsome variety and is deserving of general cultivation. It matures quite early, (none of the perfectly globe-shaped onions are as early as the flat varieties), grows to a large size, skin deep red, flesh fine grained, mild and tender. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

EXTRA EARLY BARLETTA.—This distinct new variety is the very earliest onion in cultivation. It is fully two weeks earlier than the early White Queen, which heretofore has been the earliest variety in cultivation. At maturity the tops die down directly to the bulbs, leaving the neatest and handsomest little bulbs imaginable. They are of pure, paper white color; very mild and delicate in flavor; 1½ inch in diameter, and ¾ of an inch in thickness. For table use and pickling it is most valuable. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

WHITE PORTUGAL or Silver Skin.—Matures early, very mild flavor, medium size, and generally preferred for table use; not a good keeper. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75.

EXTRA EARLY RED.—Quite popular for early marketing. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

MAMMOTH PRIZETAKER.—Admittedly the largest of all varieties, having been grown to the enormous weight of OVER SIX POUNDS, and is withal a handsome, fine-flavored sort. Of a clear, bright straw color, and uniform perfect globe shape. Produces enormous crops, one report being over 1,200 bushels, and they bring an extra price. Keep wonderfully well. They ripen up hard and fine and present the handsomest possible appearance in market, while the pure, white flesh is fine grained, mild, and delicate in flavor. Per pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.40.

GIANT VESUVIUS.—Grow to an immense size. They are of handsome globe shape, somewhat elongated, veritable beauties, and will attract attention anywhere. Color almost a blood red, flesh nearly white, quality most excellent. Much more tender and mild than the American sorts. Per pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

COPPER KING, or MAMMOTH POMPEII.—Have been grown to the enormous weight of FIVE POUNDS AND SIX OUNCES. To obtain an idea of how large this really is, just weigh the largest onion you can obtain and compare weights, or weigh out five pounds and six ounces of common onions and imagine them all in one. Beautiful copper color; flesh pure white, fine grained and mild. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

MAMMOTH SILVER KING.—Attractive form, flattened, but thick through. Single bulbs often attain weights of from two and one-half to four pounds each. The skin and flesh are white, and of a particularly mild and pleasant flavor. Matures early and is of uniformly large size and perfect form, and will bring a large price in the market. Per pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

FOUR GIANTS: One pkt. each of The Mammoth Prizetaker, Copper King, Giant Vesuvius and Silver King, for only 15c. Try them.



PEPPER.

One ounce will produce about 1,800 plants.

Sow seed in hotbed early in spring; transplant to open ground when the weather is favorable, in warm, mellow soil, in rows eighteen inches apart. Seeds germinate slowly, and require considerable heat. Packets contain about 600 seeds.

MAMMOTH GOLDEN QUEEN.—Average a third larger than Ruby King. Eight to ten inches long, bright waxy, golden yellow, and mild flavor. Per pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 80c.

RUBY KING.—Very large size, $4\frac{1}{2}$ to 6 inches long, by $3\frac{1}{2}$ to 4 inches thick. When ripe they are of a beautiful bright ruby red color, and are always remarkably mild and pleasant to the taste. Each plant produces from six to twelve large handsome fruits. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c.

CELESTIAL.—When ripe, of a delicate creamy yellow color, then suddenly changes to an intense vivid scarlet. Superior quality and clear, sharp flavor. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c.

RED CLUSTER.—Similar to the Chili, but smaller and more productive. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c.

CORAL GEM BOUQUET.—This new red-hot pepper is the finest of the small-sized varieties. Excellent for pepper-sauce. Pkt. 10c, oz. 50c.

RED CHILI.—Small, very hot. Used everywhere for pepper sauce. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

LARGE BELL, or BULL NOSE.—An early standard sort. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

SWEET MOUNTAIN, or MAMMOTH.—Similar to the above, but milder. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

RED CAYENNE.—Per pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 90c.

MUSTARD.—*Ger. Senf.*

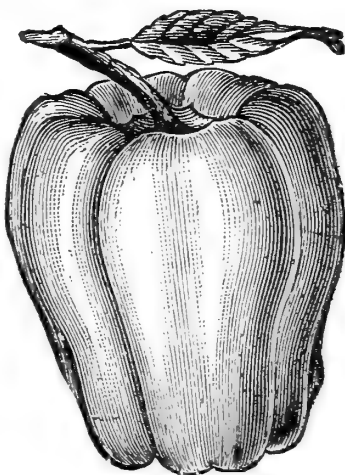
One ounce will sow about 75 feet of drill.

A pungent salad, used sometimes with Cress, also for greens. Sow thickly in rows, and cut when about two inches high.

SOUTHERN GIANT CURLED.—Highly esteemed in the South, where the seed is sown in the fall, and the plants used very early in the spring as salad. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

WHITE ENGLISH, or LONDON.—Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50.

CHINESE GOLDEN.—Forms a compact, bushy plant. Leaves very thick, finely curled, and of a bright golden yellow color; very slow to go to seed. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.



RUBY KING.

PARSLEY.

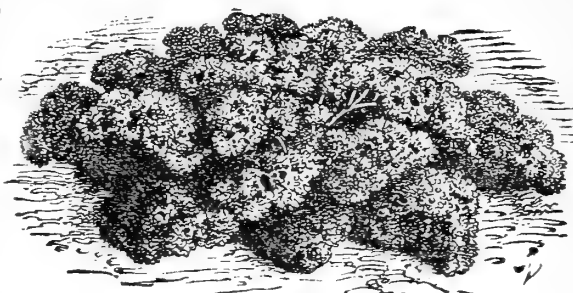
One ounce will sow 150 feet of drill.

Sow in March, thinly in drills one foot apart and half an inch deep. Soak seed in warm water a few hours before sowing. For winter use protect in a glass frame or light cellar.

MARKET GARDENER'S.—An extra choice stock with dark green, beautifully curled mossy leaves; very ornamental in growth and very productive. Most valuable for either garnishing or flavoring. Earlier than other varieties and what is more important it retains its dark green color late in the fall, and continues to produce well throughout the winter when transferred to the greenhouse. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

CHAMPION MOSS CURLED.—A very select stock, beautifully crimped and curled. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c.

FERN LEAVED.—Exquisite in form, and admirably suited for table decoration. Excellent quality. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c.



MARKET GARDENER'S PARSLEY.

TOBACCO.

One ounce will sow about 25 feet square and produce plants for one acre.

This is a paying crop and will do well in this State. The following varieties have been thoroughly tested in this climate. Early in the spring burn a brush pile on the ground to be used for seed bed. Then thoroughly pulverize the soil, digging and mixing in ashes. Sow seeds very shallow. When plants are six inches high transplant into rows four feet apart.



MAMMOTH MUSCATELLE.—Early, and of finest texture. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 65c.

HESTER.—Ripens early; adaptable to a wide range of soil and latitude, therefore surest. Yellow. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 75c.

STERLING.—Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c.

BIG HAVANA.—Heavy cropper, fine texture, delightful flavor, earliest cigar variety to mature and ripen. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c.

CONNECTICUT SEED LEAF.—Well adapted to this climate. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c.

RED CROSS PEANUTS.

Peanuts can be grown in Iowa, and everyone should plant a few for themselves and children. This very desirable variety is as early as the earliest, the most hardy, very prolific and of the best quality.



Boys, here is a chance for you. Think of growing peanuts in your own garden and having plenty of them to eat. Shell the nuts carefully so as to not break inside skin, and plant as soon as the ground becomes warm, from two to three feet apart each way, four or five to the hill, covering two inches. The soil should be deep and mellow. They produce 25 to 70 bushels per acre, and are as easily cultivated as corn. Price per large package, 10c; lb. 40c, postpaid.

KOHL RABI.—*Ger. Kohlrabi.*

One ounce will produce about 2,500 plants.

If you have never grown Kohl Rabi you should try it this year. It is a most excellent vegetable intermediate between the cabbage and turnip. It is easily grown the seed usually being sown in drills and afterwards transplanted like cabbage to rows 18 inches apart and about 10 inches in the row. Cook like turnips.

GOLIATH PURPLE.—This new variety is of immense size, solid and sweet; considered by many far superior to cabbage or turnip and decidedly more nutritious. Keeps well. In buying it will pay you to have the best. Per pkt. 10c, oz. 35c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

EARLY WHITE VIENNA.—Flesh white and tender; good market sort. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

EARLY PURPLE VIENNA.—Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00.

PARSNIPS.

One ounce will sow 200 feet of drill; 5 lbs. to an acre.

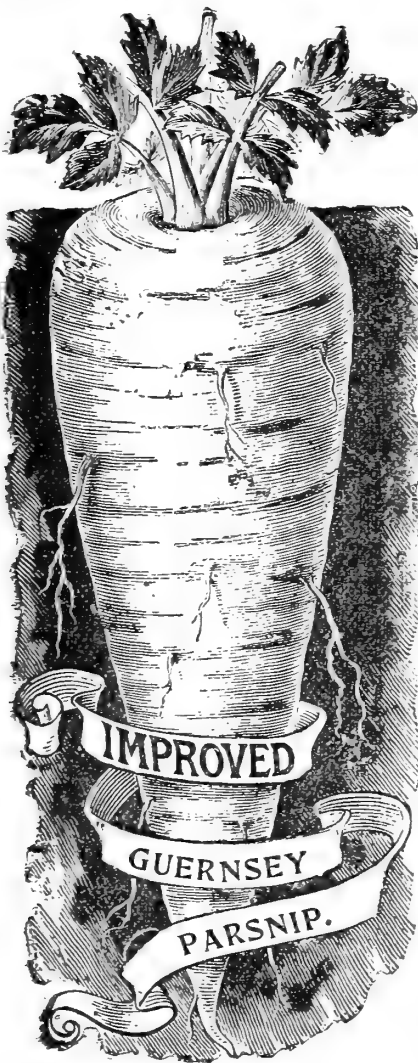
Sow early in spring in good rich soil, which has been plowed deep, in drills fifteen inches apart, covering half an inch. Thin to five or six inches apart in rows. They are improved by frost.

I. S. CO.'S IMPROVED TABLE GUERNSEY.—A greatly improved and wonderfully fine strain of the Guernsey Hollow Crown Parsnip. The roots do not grow as long as the Hollow Crown, but are of greater diameter and more easily gathered. It is a very heavy cropper; the roots are smooth, with a deep hollow crown and a small top. The flesh is fine grained and sweet, and of excellent quality. Cooks evenly all the way through to the center which is as fine and soft and even in quality as outside portions. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 65c.

LONG SUGAR or HOLLOW CROWN.—The old standard. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

ORNAMENTAL POMEGRANATE.

A very interesting and ornamental little fruit, which a century ago was commonly grown in the gardens but is now rarely seen. Grows on a pretty vine; fruit is round, of a bright yellow, irregularly striped with orange, red or mahogany; very fragrant; a single specimen will sweetly perfume a room for many days. Prolific and easily grown. It is often called Queen Anne's Pocket Melon. Pkt. 5c, oz. 25c.



PEAS.

One quart will plant about one hundred feet of drill;
2 to 3 bushels per acre.

Peas mature quickest in light, dry soil not too rich. May be sown as early as the ground can be worked, and for a succession, every two weeks up to July, or what is better, select several kinds which will form a succession in maturing. Sow in drills two to four feet apart, according to varieties, not less than four inches deep for general crop, although the first earlies will come to maturity sooner if only covered one and one-half to two inches. Wrinkled sorts are marked *. They should be sown thicker in the row than the smooth varieties, as they are more liable to rot.

Prices include postage. Pints at one-half the quart rates. 15c per quart discount if sent by express. See special prices by the peck or bushel on page 20. Our packets contain about two ounces.

GIANT GRAY SUGAR—See Novelties. Pkt. 10c.

***NOTT'S EXCELSIOR**.—A superb new variety, and we are sure our customers will welcome it as an ideal family and market pea. It is fully as sweet and delicious as the American Wonder, and grows one-half taller. Pods are larger and it is far more productive than the Premium Gem, and it is within a day or two as early as the first early smooth peas. Mr. George Buchanan writes: "I found these peas a very distinct, pure sort, with many marked excellencies over the American Wonder, Premium Gem, Advancer, etc. The peas were ready for table use within forty-three days from planting. Quality very superior." Per pkt. 5c, ½ pt. 15c, qt. 40c.

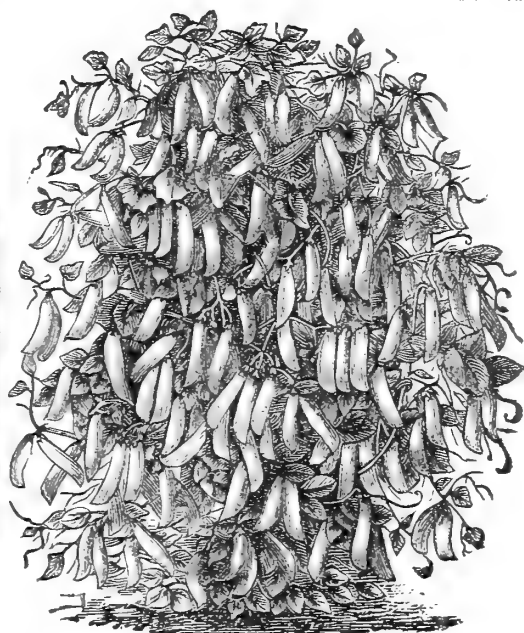
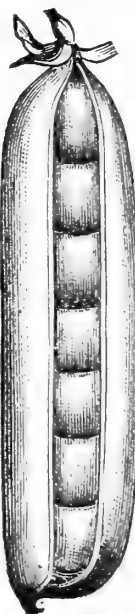
CLEVELAND'S ALASKA.—Height two feet, pods rather small, dark green color, well filled; the earliest pea known, being two days earlier than the Rural New Yorker and ninety per cent of the pods can be gathered at the first picking. Per pkt. 5c, ½ pt. 12c, qt. 40c.

IOWA CHALLENGE.—An extra early variety of superior merit which is a favorite with Des Moines market gardeners. We can in all confidence say that after a trial of nearly all extra early varieties offered to the trade we have not found one possessing more merit, hence its name. For the market gardener it has no superior. It is not only extremely early and prolific, but it is of good flavor. All the good qualities of the Extra Early are most nearly brought to perfection in the Challenge. Vines 18 inches. Pkt 5c, ½ pt. 12c, qt. 40c.

***PREMIUM GEM**.—Height one foot; early and prolific; a type of and an improvement on, the McLean's Little Gem. Pods long and of a dark green color. The most popular sort for family use. Per pkt. 5c, ½ pt. 10c, qt. 35c.

***BLISS' AMERICAN WONDER**.—The leading dwarf pea in point of earliness, productiveness, flavor and quality. Of dwarf and robust habit, growing about ten inches high, and produces a profusion of good sized, well-filled pods fairly packed with the finest flavored peas. On good soil each vine will average twelve pods and each pod six peas. The vines grow from eight to ten inches high. Per pkt. 5c, ½ pt. 15c, qt. 45c.

***STANLEY**.—This very handsome new variety is a grand medium early wrinkled pea, with well filled pods, larger than the Stratagem, a tremendous cropper, with dwarf, stocky vine, which needs no bushing. It is very sweet and of delicious flavor; full grown pods often measure four inches in length by over two inches in circumference and mature very uniformly, so that nearly the entire crop can be taken at one picking. All should try it. Per pkt. 5c, ½ pt. 15c, qt. 50c.



NOTT'S EXCELSIOR.

RURAL NEW YORKER.—Very early and of most even growth and maturity; 80 to 90 per cent of the pods can be removed at one picking. Per pkt. 5c, ½ pt. 10c, qt. 35c.

***TELEPHONE**.—Immensely productive, of the finest quality and excellent, sugary flavor; vines very strong, the pods are of large size, with six or seven large delicious peas; height four feet. Per pkt. 5c, ½ pt. 15c, qt. 50c.

***CHAMPION OF ENGLAND**.—One of the richest and best flavored peas grown. Per pkt. 5c, ½ pt. 10c, qt. 35c.

***BLISS' EVERBEARING**.—Height two feet; late to very late; hardy, vigorous, enormous cropper, pods and peas of large size and good quality. Per pkt. 5c, ½ pt. 12c, qt. 40c.

***STRATAGEM**.—Late variety for family or market use. Half dwarf, vigorous, branching habit, and under favorable conditions an enormous cropper. Pods long and filled with seven to nine large peas of extra fine quality. Per pkt. 5c, ½ pt. 15c, qt. 50c.

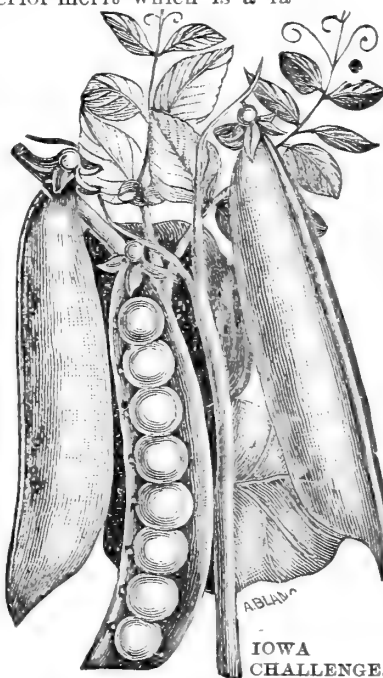
MAMMOTH LUSCIOUS SUGAR.—This new sugar pea bears pods much larger than any other variety, often six to seven inches long, and an inch and one-half broad. The pods are so long and broad that they should be sliced and boiled about 10 or 15 minutes when old, and have a little butter or sauce put over them. when they will be ready to supply the table, and make an excellent nutritious dish. They should not be shelled, but the peas and pods eaten together, and as they contain so much sugar, starch, and gluten, are very nutritious for family use. Pkt. 5c, ½ pt. 15c, qt. 50c.

FIELD PEAS.—See list of Miscellaneous Field Seeds.

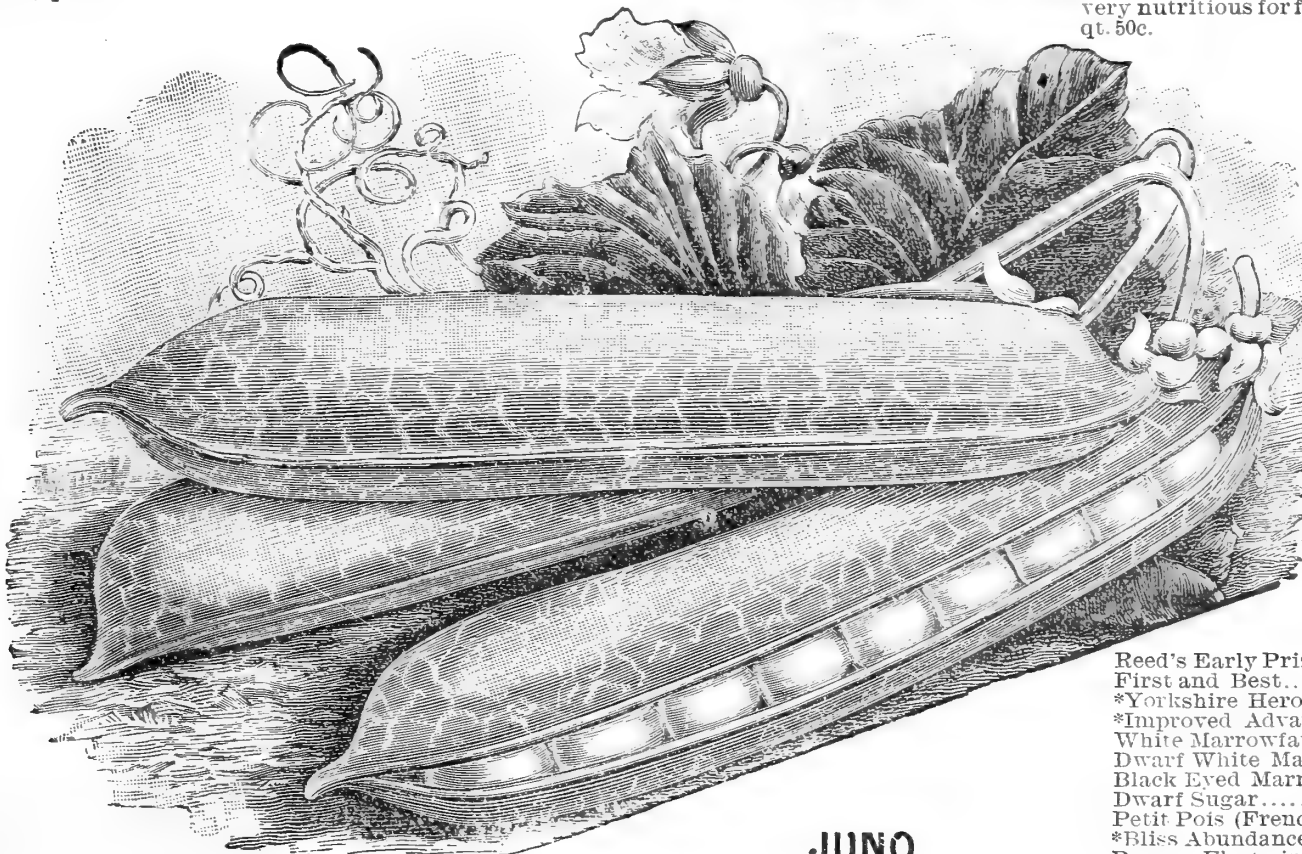
***JUNO**.—We have no hesitation in saying that it is by far the best wrinkled pea of its class to-day. It has very robust vines; stout, straight pods, and usually borne in pairs. The pods are very thick, broad-backed all the way up and filled from the stem to the tip with seven to nine sweet, delicious, dark green peas of immense size. Its height is two feet, and its season from medium early to main crop. Destined to become a standard variety. Per pkt. 5c, ½ pt. 15c, qt. 50c.

OTHER STANDARD VARIETIES.

	PER PKT.	½ PT.	QT.
Reed's Early Prize.....	\$.05	\$.12	\$.40
First and Best.....	.05	.12	.40
*Yorkshire Hero.....	.05	.12	.40
*Improved Advancer...	.05	.15	.45
White Marrowfat.....	.05	.10	.30
Dwarf White Marrow...	.05	.10	.35
Black Eyed Marrow...	.05	.10	.30
Dwarf Sugar.....	.05	.15	.50
Petit Pois (French)....	.05	.15	.45
*Bliss Abundance.....	.05	.12	.40
Bergen Fleetwing.....	.05	.12	.40



IOWA CHALLENGE.



JUNO.



PUMPKINS.

One ounce will plant 25 hills; 3 pounds will plant one acre.

Plant in hills 8 feet apart in May, among potatoes or corn or in open field.

ATLAS PUMPKIN.—What do you think of a pumpkin weighing 300 lbs? It is not an impossibility as that weight has been exceeded in this variety which is an improvement on the Mammoth Chili. One specimen shown at the World's Fair is said to have weighed 481 lbs, but such a weight is extraordinary. Our seed is the result of years of selection and was saved only from the largest sized perfect shaped specimens which will be sure to produce enormous fruits if properly grown. It is just the thing for exhibition at fairs, etc., and just think of the enormous weight which can be grown from one seed. Flesh is a rich yellow, very thick and of excellent quality, nutritious and profitable to grow for stock feeding. Keeps well. We have only a small supply of the seed this year and can only offer it in packets of six seeds for 10 cts.

A PRIZE OF \$10.00

will be paid for the largest specimen grown from our seed this year the report to be sent in by October 15th. Full directions for growing large specimens sent with each packet. Per pkt. 10 cts.

MAMMOTH TOURS.—Also called Mammoth Whale. Originated near Tours, France, where it is largely grown, both for cattle and for table use. Grows to an immense size, sometimes three feet in length and to a weight of 100 to 200 pounds. Flesh of a salmon color. Seed of a peculiar shape. Per pkt. 15c. oz. 15c, ¼ lb. 40c, lb. \$1.25.

MAMMOTH CHILI.—Really a squash, but it looks more like a pumpkin, and we list it here so as to have the mammoth pumpkins together. This is the largest of the squash family. 100 to 200 pounds is a common weight with ordinary culture. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

KING OF MAMMOTHS.—The largest variety of true pumpkins. The flesh and skin are of a bright golden yellow, fine grained and of good quality. We know of one specimen that reached the enormous weight of 245 pounds. One customer writes us that he grew one weighing 158 pounds, and on the same vine had five other pumpkins from 90 to 104 pounds each in weight—over 640 pounds grown from one seed. Farmers and gardeners, just think of that kind of a crop. Will it not pay you to grow the King of Mammoths and exhibit them at your county fair? Our seed was saved from large select specimens of our own growing. Per pkt. 5c. oz. 15c, ¼ lb. 50, lb. \$1.50.

MAMMOTH ETAMPES.—A giant variety from France, where it is quite celebrated. Bright glossy red color; a splendid variety for exhibition. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

CALHOUN.—A great improvement on the Large Cheese pumpkin. Color creamy brown, flesh deep salmon yellow, wonderfully thick and fine grained, while the seed cavity is very small. Rind thin. When cooked it is very yellow and makes pies of a rich color, sweet and of the finest quality. Has been recently re-named by one dealer the "New Thanksgiving Pumpkin." Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

WHITE CUSHAW, or JONATHAN.—Attractive and sells better than the old green striped sort. It is a large bottle-shaped variety. Pkt 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

YANKEE PIE.—This is the noted New England Pie or Small Sugar pumpkin. Same shape and color as the Connecticut Field, but smaller, and very sweet, fine grained and one of the best varieties for table use. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

JAPANESE PIE.—Flesh very thick and of rich salmon color, nearly solid. Dry and sweet, making rich pies without eggs. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

LARGE CHEESE.—A flat variety commonly called sweet pumpkin throughout the west. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

TENNESSEE SWEET POTATO.—Medium size, flesh thick, creamy white, fine grained, excellent flavored. Per pkt. 5c, oz. 10c, ¼ lb. 25c. lb. 75c.

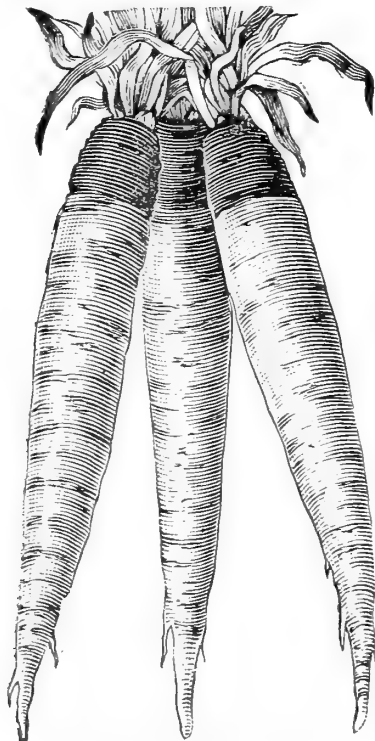
CONNECTICUT FIELD.—The common field or cow pumpkin. Per oz. 5c, ¼ lb. 10c, lb. by mail 35c. By express or freight, 10 lbs. \$1.75, 25 lbs. \$3.00.

SALSIFY—Or Vegetable Oyster.

One ounce will sow about fifty feet of drill. Why don't you grow salsify? We are certain if you grew it one year you would never be without generally cultivated for use in winter, when the supply of really good vegetables is so limited. It has the true oyster flavor, and makes a delicious and inexpensive substitute for them in soup, etc. Cultivate like parsnips.

MAMMOTH SANDWICH ISLAND.—Averages fully double the size of the old Long White. The roots, notwithstanding their enormous size, are of superior quality. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

WISCONSIN GOLDEN.—A most distinct and valuable new sort that has proved highly satisfactory in our tests of the past few years so that we are now confident that it will suit customers. It is of strong, vigorous growth; the leaves are dark green in color, finely crimped and curled. The roots are large, smooth, and have a decided yellow cast, which gives it its name. They cut smooth and even throughout, unusually brittle and never stringy. When prepared for the table are very rich, tender and delicious in flavor, Pkt. 10c.



WISCONSIN GOLDEN SALSIFY.

RHUBARB,

OR PIE PLANT.

One ounce will produce about 100 plants.

Succeeds best in deep, rich soil. Sow in spring in drills; cover one inch. Thin plants to six inches apart. Transplant in autumn or spring to permanent beds, three feet apart each way.

IDEAL MAMMOTH.—See Novelties. Per pkt. 10c, oz. 25c.

VICTORIA, or MAMMOTH.—The most popular variety. Per pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.65.

MAMMOTH RHUBARB ROOTS.—By mail 15c each, \$1.00 per dozen.

KIND WORDS.

We were well pleased with your seeds. They gave us good satisfaction.—G. A. Rodaway, Syracuse, Neb.

Your seeds have given good satisfaction around here. A number of my neighbors send with me every year.—Mrs. Flora Cattel, Jenny, N. Y.

Chinese Vegetables.

The following vegetables were introduced into this country by the Chinese and are cultivated at all places where they have gardens. They are quite curious and are liked by many of our people.

Pe-Tsai, or Chinese Cabbage.—The plant bears a loose, lettuce-like head of crisp-leaves, which is used like cabbage. It does best in a rather cool, moist soil. Per pkt. 5c.

Chinese Mustard.—An excellent plant for greens, producing an enormous amount of herbage. The leaves have an agreeable flavor when cooked like ordinary spinach. Per pkt. 5c.

Chinese Yam, (Dioscorea batatas.) The roots are used like potatoes. Pkt. of 12 bulbets 10c.

Zit-kwa, (Benincasa cerifera.) The fruit is round or oblong, with solid white flesh. It is excellent for preserves or sweet pickles. It requires the same culture as the muskmelon. Pkt. 10c.

La-kwa, (Momordica charantia.) The Balsam Pear is a favorite with the Chinese, who use it largely in salads, pickles and curries. It is necessary to boil it in water first to remove bitterness. Per pkt. 5c.

Sing-kwa, (Luffa acutangula.) The fruit is eaten before it is mature, either sliced like cucumbers, in soups, or cooked like squash. Per pkt. 5c.

One packet each of the six varieties for 25 cents.

RADISH.

One ounce will sow about 100 feet of drill; eight to ten pound will sow an acre in drills.

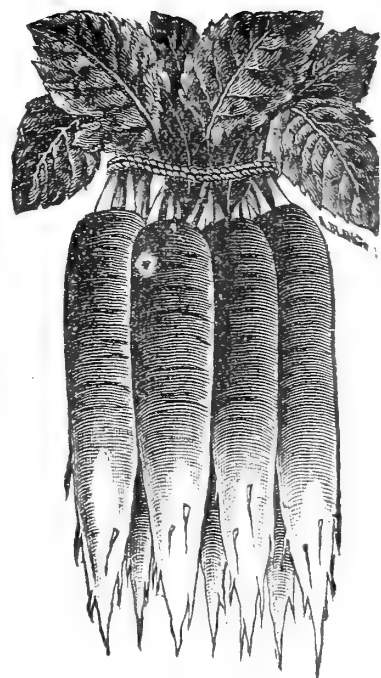
Radish seed should be sown in light, rich soil as early as the ground can be worked, and for a succession, at intervals of two weeks until mid-summer. Radishes must be grown quickly and have plenty of room, or they will invariably be tough and pithy. Sow in drills one foot apart and thin to two or three inches apart as soon as the rough leaves appear. Most of our radish seed was grown for us in France, "the natural home of radishes" and we think it cannot be surpassed.

NEW ROSE TURNIP.—See Novelties, Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

ROUND SCARLET CHINA.—See Novelties. Pkt. 10c, oz. 20c.

VICK'S EARLY SCARLET GLOBE.—A most excellent early radish for garden culture, and for hotbed forcing there is no variety so desirable as the Early Scarlet Globe. It is the earliest; its color is the handsomest; in flavor it is the mildest, most crisp, juicy and tender. It is the market gardener's favorite as a forcing radish. It forms small top, and will stand a great amount of heat without becoming pithy. Its fine shape, well illustrated by the accompanying engraving, makes it sell for a higher price and more rapidly than any other shaped sort. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

NON PLUS ULTRA.—An improvement on the Deep Scarlet Turnip. Remarkably fine in quality and of very quick growth, and ready to pull within twenty days after sowing. Perfectly globular little roots, of very bright color and excellent shape; certain to insure ready sale on the market. It is by far the best strain of early radishes for forcing. Beds are planted, the crop matured and sold, and the same bed



IMPROVED CHARTIER.

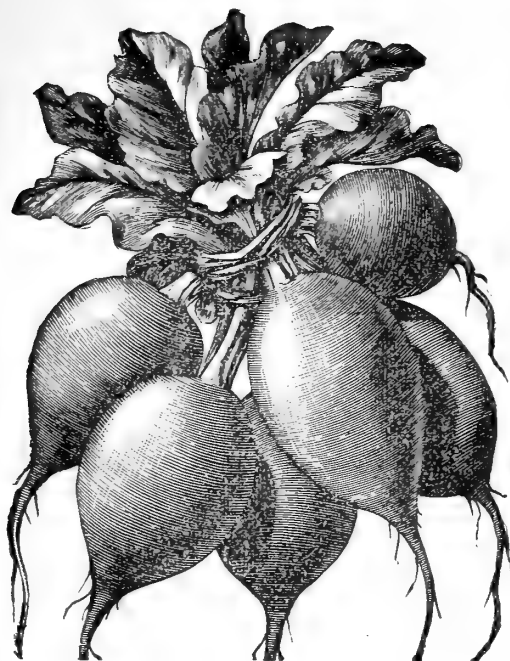
made ready for a second planting all in thirty days. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

IMPROVED CHARTIER.—Decidedly distinct in appearance from any radish in cultivation. Its form is well defined by our engraving, the color at the top being crimson, running into pink about the middle, and from thence downward is a pure, waxy white. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

WHITE STRASBURG.—Of handsome, oblong, tapering shape; both skin and flesh are of pure white. The flesh is firm, brittle and tender, and possesses the most desirable character of retaining the crispness even when old and large. It is excellent for summer use, as it withstands severe heat and grows very quickly. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

I. S. CO'S PERPETUAL WHITE SUMMER.—This variety, introduced by us, has given splendid satisfaction to all who tried it. Their shape is well illustrated by the accompanying engraving. They are pure white of uniform good quality, crisp and brittle, and they keep longer in a fit condition for the table than any variety we know of, hence their name, Perpetual White Summer. Can be sown any time of the year and will always produce good radishes fit for market earlier than the Chartier, and keep in perfect shape for marketing about four weeks, or longer for home use. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

MIXED RADISHES.—This is a mixture of over twenty choice varieties of early, medium and late radishes. This will give you radishes all summer and you will be surprised at the results. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.



VICK'S EARLY SCARLET GLOBE.

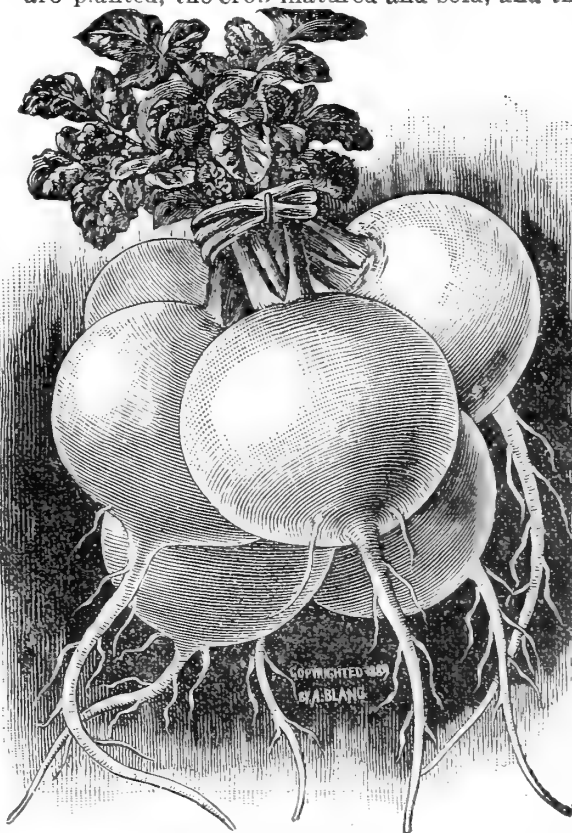
ROSY GEM.—An improvement on the Scarlet Turnip White Tip. Their shape is perfectly globular, with rich, deep scarlet top, blending into pure white at the bottom, exceedingly tender, crisp and delicious, equally desirable for either the market or home garden. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

MODEL WHITE BOX.—A great improvement on the Philadelphia White Box, which has been popular for several years. It is of most handsome shape, very early and has but few leaves, thus making it of special value for growing in hotbeds or "boxes" and one-third more radishes can be grown in the same space than with most other sorts. It is of clear white color, solid, juicy, and unsurpassed in flavor. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

GOLDEN DRESDEN.—All who saw this charming variety at our trial grounds were most favorably impressed with it. It was a little beauty, with golden brown skin, white flesh, crisp, juicy, and of finest flavor. One of the quickest growing sorts, and tops are so small as to admit of close planting. No matter whether grown in the garden or in hotbeds, you can depend on a remarkably perfect, early and uniform crop. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

WHITE LADY FINGER.—An improvement on the White Naples, or Vienna. A large, white, crisp variety, about as long as Long Scarlet and similar in shape. A very desirable sort. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

CHINA ROSE WINTER.—One of the best winter varieties, bright rose colored, flesh white, firm and of superior quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.



MODEL WHITE BOX.

OTHER STANDARD VARIETIES.

ALL FIVE CENTS PER PACKET.	OZ.	$\frac{1}{4}$ LB.	LB.
French Breakfast.....	\$.10	\$.20	\$.50
Wood's Early Frame.....	.10	.20	.50
Long Scarlet, Short Top.....	.10	.20	.50
Early Scarlet Turnip.....	.10	.20	.50
Golden Globe Summer.....	.10	.25	.75
All Seasons.....	.10	.30	1.00
Giant White Stuttgart.....	.10	.25	.75
Long Black Spanish (winter).....	.10	.20	.60
Cal. Mammoth White Winter.....	.10	.25	.75

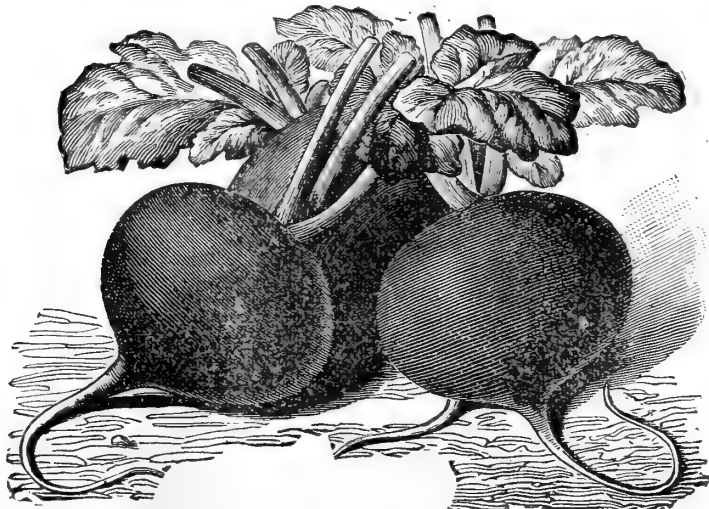
KIND WORDS.

I have bought seeds of you for five years and everything has been all O. K.—Yours as ever, H. L. Brown, Hebron, Nebraska.

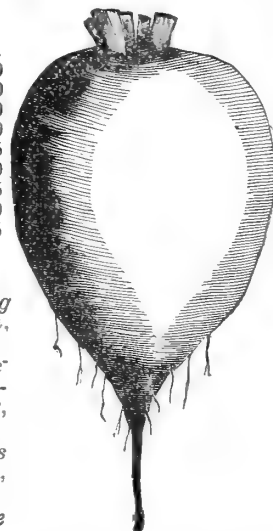
The seeds I got of you last year gave splendid satisfaction. The Washington Wakefield is the finest early cabbage I ever saw. Respectfully, E. H. Sanford, Taylor, Illinois.

I have used your seed for several years and they always give the best of satisfaction.—Geo. F. Suppes, Moweaqua, Illinois.

I sent two years ago to you for seed and they were the best we ever had.—Mrs. C. M. Coburn, Moscow, N. Y.



NEW GOLDEN DRESDEN.



PERP. WHITE SUMMER.

THE FAXON SQUASH



COPYRIGHT, 1893, BY M.B. FAXON CO.

SQUASH.

One ounce early varieties will plant about forty hills; one ounce late will plant about twenty hills; 3 to 4 lbs. to the acre.

Plant about the middle of spring in hills, the early sorts four to six feet apart, the late varieties eight to twelve. Thin to three plants in a hill. The soil cannot be too rich. Packets of early varieties contain about 125 seeds; late varieties about 40 seeds.

SIBLEY or PIKE'S PEAK.—Originated in Iowa. We put this first of the list as being the very best winter squash in existence. Claimed to be a great improvement on the Hubbard. The shell is pale green in color, very hard and flinty, but at the same time so very thin and smooth as to occasion the least possible waste in baking. The flesh is solid and thick and a brilliant orange yellow color, dry, and has a rich, delicate flavor peculiarly its own; more productive and a better keeper than either the Hubbard or Marblehead.

head and we prefer it for our own table use. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

FAXON.—The flesh is a deep orange yellow, cavity very small and seeds few; the special peculiarity, however, is that while uncooked it appears to have a shell like any squash, but when cooked there is practically none, the shell, or inedible part being only about as thick as a sheet of writing paper. One of the best squashes we have ever tasted, sweet and very dry. It matures early, and can be used as a summer squash. The vines are somewhat longer than most other sorts and fruit varies in color, but these seem to be its only defects. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 70c.

WHITE BUSH SCALLOPED.—Similar to the Golden Bush. Color creamy white. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

EARLY PROLIFIC MARROW.—Early and productive—the two most important features for the market gardener—while its attractive color—brilliant orange red—good cooking and keeping qualities make it popular with the consumer. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

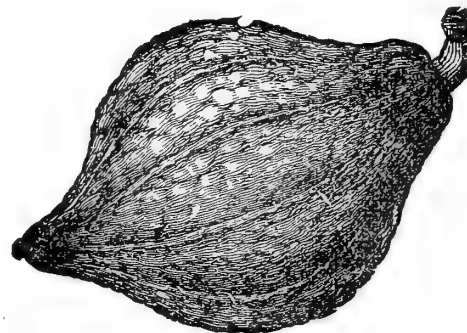
DELICATA.—When we first saw this new variety we were not at all pleased with its appearance, as it is anything but handsome, and would not sell well in the market. We were however, obliged to admit that it was very prolific, averaging 14 fruits to the vine, and it was the earliest of any vining squash on our place. When we tried it on the table we were really surprised at its extremely rich flavor, fine quality, dry and excellent. We highly recommend it for family use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

FORDHOOK.—Extremely handsome; of a bright yellow outside and straw yellow within. The flesh is dry and of the best quality. The stem is thin and hard, and also the roots, consequently it is free from the attacks of the squash borer. Matures early and is a sure cropper and productive. The green squashes can be used at any stage of their growth. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

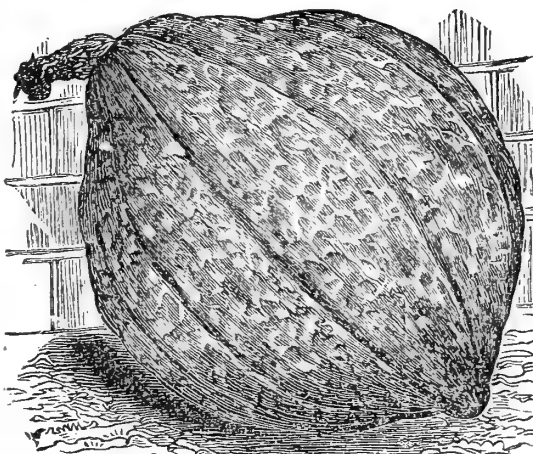
MAMMOTH CHILI.—This is certainly the largest variety of squash (or pumpkin as some call it) grown. See more full description with pumpkins. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

AMERICAN TURBAN.—It is fine grained, very dry, sweet, and of delicious flavor. For fall and winter use. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

ENGLISH VEGETABLE MARROW.—A favorite English sort. The fruit is variable in size, from nine to eighteen inches in length. Skin a greenish yellow, flesh white, soft, and of rich flavor. Plant eight feet apart. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.



HUBBARD.



EARLY PROLIFIC MARROW.

September, and protect by covering with straw. Packets contain about 800 seeds.

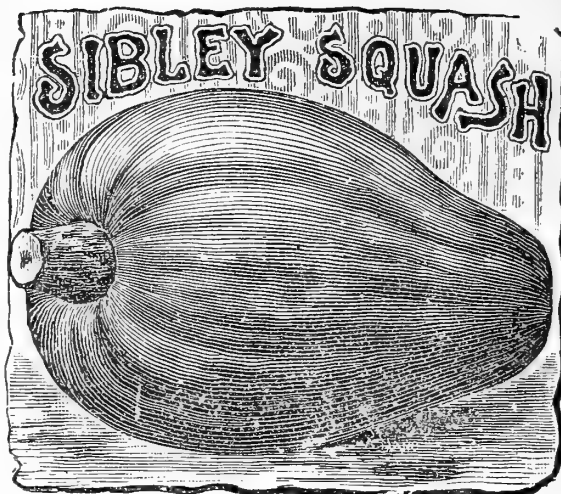
NEW VICTORIA.—This new variety is distinguished for its exceedingly dark black-green color, and also for its very long standing qualities, being from two to three weeks later than the ordinary Long Standing. The leaves are thick and spread out flat upon the ground. It is excellent for spring sowing, but not sufficiently hardy to withstand the winter in this locality. It outyields every other variety, and stands longer before going to seed than other sorts. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

NEW ZEALAND.—Very useful to supply the place of the ordinary spinach during the hottest months of the year, or in dry, arid localities. A great acquisition, and the most valuable of all for either the market or family garden. One plant will cover a space of ground three or four feet square. A few plants will supply a family with this delicious vegetable from July to October. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

LONG STANDING.—A standard with gardeners; leaves thick, fleshy and crumpled. Slow in running to seed, hence its great value for spring sowing. The leaves are round, large, unusually thick, deeply curled, and of a fine dark-green color. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 35c. By express 5 lbs. \$1.00.

PRICKLEY or WINTER.—Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

VIROFLAY, or SAVOY LEAVED.—Grows to an enormous size and produces wonderful crops. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 40c.



GOLDEN BUSH.—It is thicker, larger and superior in every way to the old varieties. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

HUBBARD.—This old variety has for years stood the test of all rivals, and is the most popular winter squash grown; hard, green shell; flesh bright orange yellow, fine grained, very dry, sweet and of a rich flavor; keeps in perfect condition throughout the winter. Seed is of our own growing and extra select. Per pkt. 50c oz, 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

WARTY HUBBARD.—This new strain of the Hubbard is an improvement. The wartiness indicates a very hard shell, which is one of the best features of a long keeping squash. It also denotes extra choice quality—the harder and more warty the shell of a Hubbard, the more delicate and sweet the flesh. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 70c.

WHITE CHESTNUT.—The outside skin is creamy white while the flesh is lemon yellow, fine grained, sweet, most excellent in quality, suggesting the flavor of a boiled chestnut. Size and form much like the Hubbard. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

EARLY BUSH CROCKNECK.—Splendid summer sort, early, productive, very fine quality. With all the new varieties recently brought out many claim that there is no summer squash superior to this. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 45c.

BOSTON MARROW.—Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

ESSEX HYBRID.—A most excellent variety. It is the earliest of the winter sorts, and can therefore be planted later in the season than most others. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

MARBLEHEAD.—A splendid winter variety; shell very hard, of a light blue color; flesh equal to the Hubbard in quality. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

SPINACH.

One ounce will sow about 80 feet of drill; ten pounds to an acre.

This the finest "greens" of any plant in cultivation. For summer, sow early in spring in deep, rich soil, in drills one foot apart, cover one inch. Sow at intervals of two weeks throughout the season. For very early spring use, sow the winter varieties first of

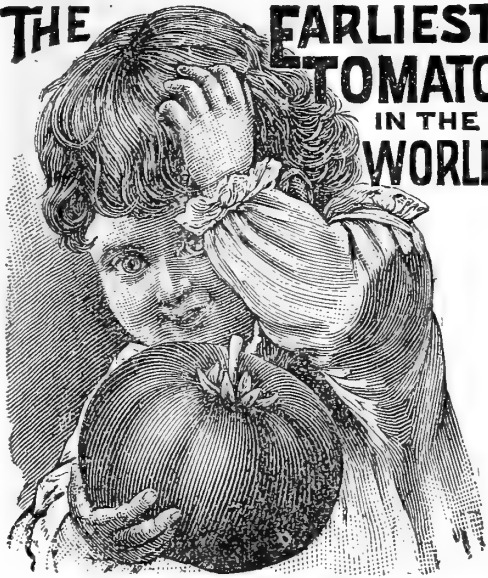


NEW ZEALAND SPINACH.



VICTORIA SPINACH.

THE EARLIEST TOMATO IN THE WORLD



EARLY MINNESOTA.

CRIMSON CURRANT.—See Novelties. Per pkt. 10c, oz. 40c.

NEW ITALIAN MIXED.—See Novelties. Per pkt. 5c, oz. 35c.

HONOR BRIGHT.—See Novelties. Per pkt. 10c, oz. 50c.

DWARF ARISTOCRAT.—Resembles the Dwarf Champion in every respect except in color of the fruit, which with the Aristocrat is a beautiful rich, glossy red, so much admired in some markets, and preferred to the flesh or rose-colored sorts. In size, productiveness, smoothness, flavor, etc., it is fully up to our usual standard of perfection. It is especially desirable for greenhouse or forcing under glass, and for first crop outside. Per pkt. 5c, oz. 25c, ¼ lb. 80c, lb. \$2.00.

PICTURE ROCK.—This has again proved to be one of the best varieties on the list. They are of good size, in fact rather large and run so even and perfect in form, after the first few fruits, that they have the appearance of having all been made in one mould. They are smooth, of bright scarlet color, solid and of excellent quality. Per pkt. 5c, oz. 25c, ¼ lb. 75c, lb. \$2.25.

LIVINGSTON'S BEAUTY.—Originated with Mr. A. W. Livingston, of Franklin county, Ohio, and is one of the best ever introduced. Its beauty, size, shape, color, flavor, durability, and productiveness make it desirable to all classes of tomato growers being of a very glossy crimson with a slight tinge of purple. Per pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

CRIMSON CUSHION.—Very large, about double the size of the of the Matchless, but rough like all other large sorts. The peculiarity about it is its unusual solidity, more so than any other sort we know of. Seeds are few and near the outside, leaving the center solid pulp, which ripens evenly throughout before the outside appears ripe. It is an elegant sort for slicing or putting up. Flavor excellent. Our seed was saved from select specimens grown on our own place. Pkt. 10c.

STRAWBERRY.—See Ground Cherry. page 9. Pkt. 5c.

PURPLE HUSK.—See description on page 9. Pkt. 10c.

MIXED TOMATOES.—For the advantage of some of our customers who would like to try all kinds, we have prepared this mixture of varieties named above and several others. Per pkt. 5c, oz. 30c.



THE POST & WIRE TRELLIS.

TOMATO.

One ounce will produce about 2,500 plants.

Sow early in hotbeds or seed boxes and when plants have four leaves transplant to four or five inches apart. Give plenty of air and endeavor to secure a vigorous growth. When all danger of frost is past transplant to the open ground, four to six feet apart each way. Well manured light sandy soil is best, but it must be remembered that a surplus of manure stimulates leaf growth to the detriment of fruit. Through long years of selection we have now a stock of tomato seed which is far superior to that of most other dealers. Our packets contain about 500 to 1,000 seeds.

BOND'S EARLY MINNESOTA.—This handsome new variety which we now offer to our customers is, we believe, the earliest in existence. It originated in Minnesota but has been thoroughly tested elsewhere for several years with surprising results. Vines vigorous with rather small leaf. When quite small begin producing fruits which are of fair size, of good shape, smooth, dark red color. They ripen evenly, remain solid a long time and never crack. Thos. H. Brinton, who grows about 100 varieties of tomatoes, has originated several of our best sorts, and who may be called the best posted man on tomatoes in the United States, writes us: "Bond's Early Minnesota is the best early tomato I have ever tried." Per pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

IMPERIAL.—A new early Tomato of more than ordinary merit, coming into use ahead of Dwarf Champion by a week or ten days. The fruits are perfectly smooth, resembling Dwarf Champion in color, very deep, solid, and thick meated, ripening up well around the stem. It is an immense cropper and a long keeper. As much as 1½ bushels have been picked from a single vine. Per pkt. 5c, oz. 25c, ¼ lb. 75c, lb. \$2.00.

NEW STONE.—Quite popular in some sections for main crop, is large, of bright scarlet color; very smooth, with occasionally a specimen slightly octagon-shaped; ripening evenly to the stem without a crack, solid, firm fleshed, is an excellent shipper, quality the very best; fine for canning a good keeper, without hard core, and not subject to rot. Per pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$1.75.

MATCHLESS.—Well worthy of its name for in beauty of coloring and symmetry of form it is indeed without a peer. The vines are of strong vigorous growth, well set with fruit. They are entirely free from core, of a very rich cardinal red color, and not liable to crack from wet weather, of largest size, and the size of the fruit is maintained throughout the season. Had we to confine ourselves to one variety it would be the Matchless, for certainly no other tomato will produce extra large fruits so smooth, handsome, and marketable as the Matchless. The skin is remarkably tough and solid, and ripe specimens picked from the vine will keep in marketable condition for two weeks. Solid, of fine quality. Per pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$1.60.

LEMON BLUSH.—The skin and flesh are a bright lemon yellow, with a faint rose blush or light crimson tint diffused over part of the surface opposite the stem. The plant is a vigorous grower, ripening its fruit abundantly in mid-season. It may never become a popular market sort, but anyone desiring a choice table variety for home consumption should not fail to have it. Per pkt. 5c, oz. 30c.

YELLOW PEAR.—A favorite with all who know them and we had many inquiries for seed during the past few years, but it has been difficult to secure. We have finally grown a splendid crop. The fruit is pear shaped as shown in our illustration, of handsome deep yellow color; flesh yellow, solid and especially fine flavored. Highly esteemed as a table delicacy raw, but more used for preserving or to make "tomato figs," also excellent pickled. Very uniform in size and shape; an abundant yielder. Per pkt. 5c, oz. 30c, ¼ lb. 75c.

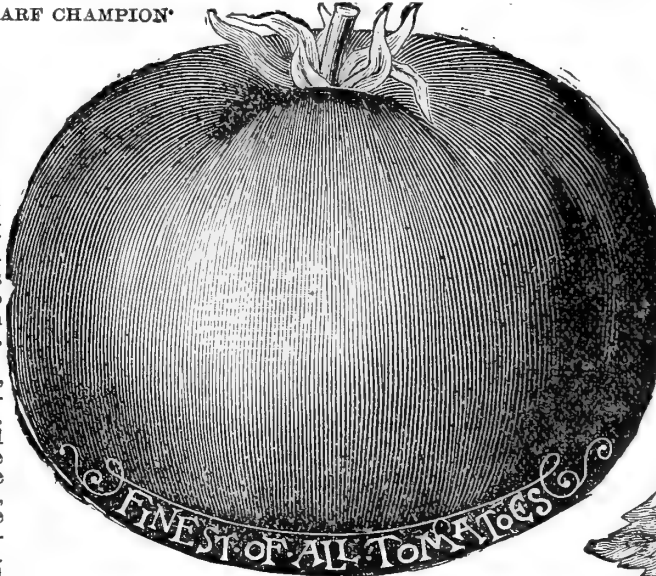
Other Leading Varieties.

All 5 Cents per Packet.

	OZ.	¼ LB.	LB.
Trophy .....	.15	.50	\$1.50
Acme.....	.15	.50	1.50
Perfection.....	.15	.50	1.50
Favorite.....	.10	.35	1.20
Ponderosa.....	.25	.85	3.00
Peach.....	.25	.75	2.50
Turner's Hybrid (Mikako).....	.15	.50	1.50
Ignotum.....	.15	.50	1.50
Yellow Plum.....	.25	.75	2.25
Red Cherry.....	.30	1.00	3.25
Atlantic Prize.....	.20	.65	2.00



DWARF CHAMPION



MATCHLESS



YELLOW PEAR TOMATO

DWARF CHAMPION.—Its habit of growth is peculiar, for not only is it dwarf and compact, but the stem being thick, stiff and short-jointed, it is actually self-supporting when laden with fruit. In productiveness it is unsurpassed. It is also very early. The fruit is of a purplish pink color, always smooth and symmetrical and the flesh solid and of fine quality. Can almost be called a tree tomato. The best variety to grow for plants for sale as they are so stocky, Per pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$1.50.

GOLDEN QUEEN.—We have tested many yellow tomatoes, of which the Golden Queen has proved decidedly the best. Large size and smooth, round shape. Per pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

THREE TABLE TURNIPS



TURNIP.

*e ounce will sow
150 feet of drill;
two lbs. will sow
one acre.*

For early, sow in April in drills half an inch deep and 12 inches apart, thin to six inches apart in the drill. For main crop sow broadcast during July and August and just before or during a showery time if possible. The soil should be rich and mellow and kept free from weeds.

SCARLET KASH-MYR.—A handsome new variety which everyone should try. See description with novelties. Per pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

EXTRA EARLY PURPLE TOP MILAN.—One of the earliest sorts in cultivation. The bulb is very flat, of medium size, quite smooth, with a

GOLDEN BALL, or ORANGE JELLY.—A very beautiful and bright yellow turnip of medium size and of universally sweet and delicious flavor. It is hardy and one of the best of keepers. Flesh extremely firm and solid. Always brings a good price in the market. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

EARLY SNOWBALL.—A perfect globe-shaped, white-skinned turnip. It is exceedingly productive. The flesh is fine grained, firm, and of very delicate flavor. It is one of the best keeping of the white fleshed sorts. Very early, and particularly adapted for family or market use. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

BREADSTONE.—While of the Ruta Baga type, they are of such extra fine quality they deserve to be classed with the best table turnips. The flesh is perfectly white, fine grained, and cooks in only fifteen minutes, very tender and sweet. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

bright purple top; leaves few, short, and of light color, growing very compact and making an exceedingly small, strap leaved top. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.

NIMBLE DICK.—It is extra early and produces, handsome, fair sized turnips in a very few weeks from time seed is planted. Color white, flesh crisp and of excellent flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

PURPLE TOP STRAP-LEAVED.—The standard for this part of the country for late planting. Round, flat, good sized, small top with but few leaves; flavor good. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c, 5 lbs. or more, not prepaid, 35c per lb.

PURPLE TOP GLOBE.—Similar to above, except shape. This is the largest yielder of any turnip on the list, and very desirable for table use or stock. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 55c, 5 lbs or more, not prepaid, 40c per lb.

EARLY WHITE EGG.—Very early and particularly desirable for the table. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

LARGE WHITE GLOBE.—Fine for field culture and very productive. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

YELLOW ABERDEEN.—Excellent for cattle feeding. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

MIXED TURNIPS.—All the table varieties of turnips mixed in equal proportion. A desirable mixture for family use. Per. pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.

RUTA BAGA.

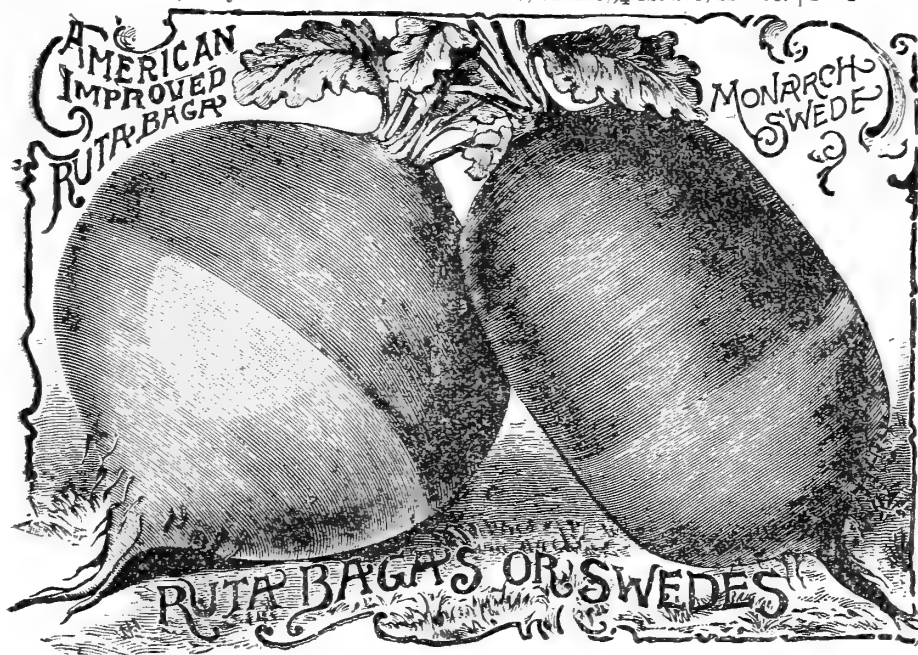
Sow not later than June, in drills two feet apart, and thin out to eight inches in the row.

MONARCH.—This grand, new and distinct form of the ruta бага, is, we believe, by far the best of all. The bulbs are of tankard shape, with very small neck, skin dark red above ground and yellow below, flesh rich yellow, fine grained and best quality. Only variety succeeding on our prairie soil. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

IMPROVED AMERICAN.—Very solid, fine quality, valuable for the table and for feeding stock. Very hardy and productive, excellent shape, with small neck and smooth skin, keeps well. Our strain is choice. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

WHITE SWEET GERMAN.—Large size, oval form and very solid, flesh pure white and sweet. This is the best keeping variety. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 65c.

CARTER'S IMPROVED HARDY SWEDE.—Large size, excellent quality, and an immense yielder. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.



BEANS, CORN AND PEAS IN BULK.

These low prices are for purchasers of large lots, they to pay freight or express charges. One-half bushel will be sold at bushel rates and one-half peck at peck rates. Better write for special quotations if you desire a large lot.

BEANS.			SWEET CORN.			PEAS.		
	PK.	BU.		PK.	BU.		PK.	BU.
Henderson's Bush Lima.....	\$1.50	\$5.00	Early Sunrise	1.00	3.25	Iowa Challenge	1.10	3.50
Burpee's Bush Lima.....	2.00	6.50	Extra Early Cory .....	.75	2.00	Cleveland's Alaska.....	1.00	3.25
Stringless Green Pod.....	2.00	6.50	Early Minnesota .....	.75	2.00	First and Best.....	.85	2.75
Early Mohawk.....	.90	3.00	Crosby's Early .....	.75	2.00	Rural New Yorker.....	.90	3.00
Refugee, or Thousand to One.....	1.00	3.50	Champion Early.....	.85	2.50	Reed's Early Prize.....	1.25	4.00
Improved Early Valentine .....	.90	3.00	Egyptian.....	.75	2.25	Bliss' American Wonder.....	1.25	4.50
Large White Marrow	1.00	3.25	Stowell's Improved Evergreen.....	.75	2.25	Premium Gem.....	1.10	3.50
Wardwell's Kidney Wax	1.10	3.75	Zigzag Evergreen.....	.85	2.50	Stanley.....	1.25	4.00
Improved Golden Wax.....	1.00	3.25	Mammoth Sweet.....	.85	2.50	Nott's Excelsior.....	1.50	5.00
Black Wax	1.00	3.50	Black Mexican	1.00	3.00	Juno.....	1.50	5.00
Roger's Lima Wax.....	1.50	5.50	Country Gentleman .....	.90	2.75	Improved Advancer.....	1.25	4.00
Yosemite Mammoth Wax	1.50	5.00	Improved Ruby.....	1.00	3.00	Yorkshire Hero.....	1.25	4.00
Currie's Rust Proof Wax	1.10	3.75	Fodder Corn (sweet).....	.50	1.40	Dwarf White Marrow.....	.75	2.50
Red Kidney.....	1.00	3.25				Champion of England.....	.90	3.00
California Branch, or Prolific Tree..	.75	2.75	POP-CORN. (56 lb. bu.)			Stratagem.....	1.50	5.00
White Dutch Case Knife.....	1.50	5.00	Page's New Striped Rice	1.25	4.50	Telephone.....	1.25	4.25
King of the Garden Lima	1.75	6.00	Monarch White Rice.....	.90	3.00	Everbearing.....	1.25	4.00
Cut Shorts.....	1.75	6.00	Mapleale Prolific.....	1.00	3.25	Large White Marrow .....	.65	2.25
Lazy Wife's.....	1.75	6.50	Queen's Golden.....	1.00	3.25	Black Eyed Marrow.....	.65	2.25

VEGETABLE PLANTS.

Well grown and lightly packed to carry long distances. They can be shipped fresh, well packed at the beds, on a day's notice.

Plants quoted "by mail" are sent at our expense; "by express" at the purchaser's. By our system of packing they are sure to arrive in good condition when shipped to any part of the United States. No charge for either packing or boxes. Plants from hotbed or cold frame are ready during April or May; outdoor grown during June and until the middle of July. We sell 500 at the 1,000 rate.

CABBAGE PLANTS—Early Varieties—Ready April 10th. Extra Early Express, Jersey Wakefield, Washington Wakefield and Henderson's Summer. By mail, 100 75c; by express, 100 50c; 1,000 \$3.50.

CABBAGE PLANTS—Late Varieties—Ready June 1st. Surehead, Premium Flat Dutch and Short Stem Drumhead. By mail, 100 75c; by express, 100 40c; 1,000 \$2.00.

CAULIFLOWER PLANTS.—Ready May 1st. Snowball and Erfurt. By mail doz. 25c; 100 \$1.25; by express, 100 \$1.00; 1,000 \$7.00.

CELERY PLANTS.—Ready May 1st. Henderson's Half Dwarf, White Plume, Golden Self-Blanching, and Pink Aromatic. By mail, doz. 20c, 100 \$1.00; by express, 100 60c; 1,000 \$4.00. After June 20, \$3.00 per 1,000.

EGG PLANTS.—Ready May 1st. New York Improved. By mail, doz. 25c; 100 \$1.25; by express, 100 \$1.00.

PEPPER PLANTS.—Ready May 1st. Ruby King, Large Bell, and Red Chili. By mail, doz. 25c; 100 \$1.00; by express, 100 75c.

TOMATO PLANTS.—Ready May 1st. Strong, transplanted plants, Dwarf Champion, Bond's Minnesota, Beauty and Matchless. By mail, doz. 25c; 100 \$1.00; by express, 100 75c; 1,000 \$5.00. Not transplanted, 50c per 100, \$3.00 per 1,000.

SWEET POTATO PLANTS.—Ready May 1st. Plants strong, vigorous, well rooted and hardy. We can furnish either the Yellow Nansemond, or Early Yellow Jersey. Write if you want a large lot. Prices vary. By mail, 100 50c; by express, 100 25c; 1,000 \$2.00.

HORSE RADISH SETS.

Plant at any time during spring, in rows two feet apart and about eighteen inches apart in the rows. By mail, doz. 35c; by express, 100, 75 cents.

ASPARAGUS ROOTS.

Ask for circular giving directions for planting, etc.

CONOVER'S COLOSSAL.—Strong two-year-old roots, 100 75c, 1,000 \$4.50.

PALMETTO.—Strong two-year-old roots, 100 75c; 1,000 \$5.00.

COLUMBIAN MAMMOTH WHITE.—Strong two year-old roots, per 100 \$1.00; per 1,000 \$7.00.

Above prices are by express or freight. Any of the above varieties at 25c per doz., \$1.25 per 100 by mail, postpaid.

RHUBARB ROOTS.

These may be planted early in spring or fall, setting the roots three feet apart each way. It requires but little labor to plant, and when once planted in good rich soil, it will remain in bearing condition many years. By express, each 10c, doz. 75c, 100 \$4.00. By mail, each, 15c, doz. \$1.20.



GARLIC.

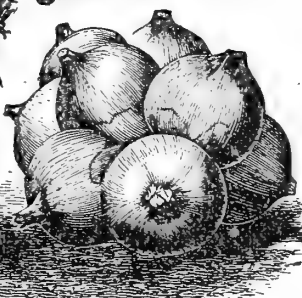
A species of onion propagated by offsets; used for flavoring soups, stews and other dishes. Divide a bulb into small parts and plant them in early spring in rows one foot apart, and from two to five inches between the plants in the rows. The crop matures in August, when it is harvested like onion.

GARLIC SETS.—Per pound 40c, postpaid. By express, per lb, 30c.

BOTTOM ONION SETS



POTATO ONION SETS



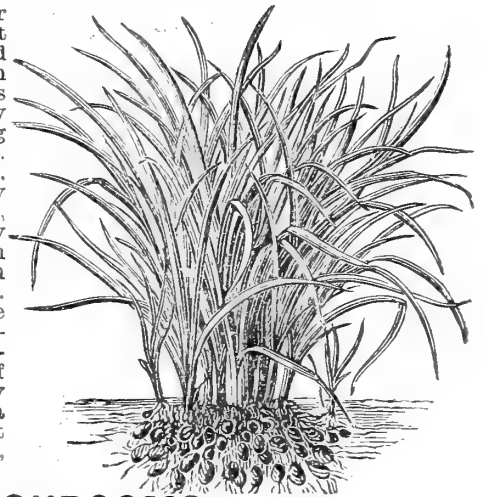
PERENNIAL, or WINTER.—Also called Egyptian and Tree onions. May be set out in the spring, but are usually set in the fall. Come up year after year without the slightest winter protection, and produce the earliest spring onions. Per pt. 15c, qt. 25c, pk. 60c, bu. \$1.50.

RED TOP, or BUTTON SETS.—These are the old-fashioned sets still largely called for in some sections. Per pt. 20c, qt. 35c, pk. \$1.00, bu. \$3.00.

POTATO or MULTIPLIER ONION SETS.—Early cropper; matures quickly; mild and of sweet flavor. per pt. 20c, qt. 35c, pk. \$1.10, bu. \$3.50.

CHUFAS, or EARTH ALMOND.

In sweetness and flavor they resemble the coconut or almond, and are considered very nice put on the table in a fruit dish with candies, as an after-dinner relish. Very prolific, a single one yielding from two to four hundred. The nuts grow underground, very near the surface, easily reached by pigs or poultry, and destroyed by them if they have free access. Plant in April, ten inches apart in two and one-half foot rows. Cover them lightly. If the seed is very dry, soak well before planting. Our illustration shows the manner of their growth, and they vary from the size of a large pea to that of a hazelnut. It pleases the children. Pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 50c.

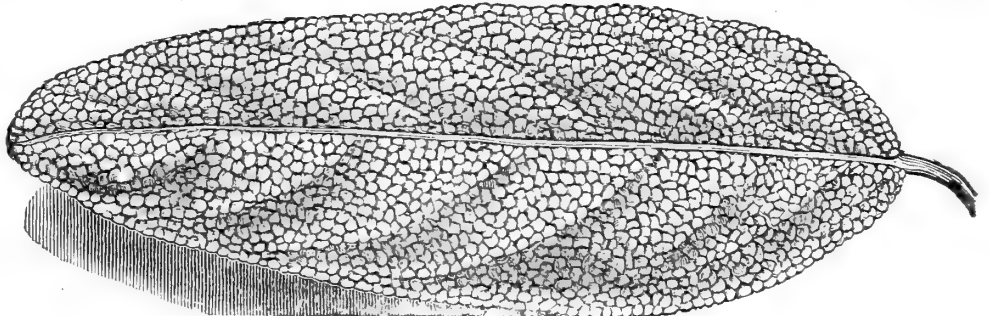


MUSHROOMS.

The ease and certainty with which a crop of mushrooms can be grown to perfection in an ordinary house cellar, wood-shed or barn, and the astonishing success of so many who have taken up this new industry both for profit and their own use, induces us to call especial attention to the subject. The great luxury of mushrooms can be enjoyed by all at a trifling expenditure of money, time and labor. In market they are always wanted and sell readily at paying prices. There seems no limit to the demand, and an oversupply is seldom known. We recommend the English mushroom spawn as generally the better both for the market gardener and private planter. Directions for culture sent on application. Price, per lb. not prepaid, 15c, 10 lbs. \$1.25. If by mail, add 10 cents per lb. for postage.

HOLT'S MAMMOTH SAGE.

After having grown and thoroughly tested this valuable variety for several years, we can recommend it most highly. The illustration shows a leaf of average size. The plants are very strong growing, the



HOLT'S MAMMOTH SAGE.

first season attaining one foot in height, and so spreading that a single plant covers a circular space 3 feet in diameter. The leaves are borne well above the soil, keeping them clean; very large and of unusual substance, strong in flavor, and of superior quality. A single plant of Holt's Mammoth will yield more than a dozen of the common sort. It is perfectly hardy, and attains still greater growth the second season. It never runs to seed. The past three years we have not been able to supply the demand, but this year we grew a very large number and hope to have sufficient. Price: 3 plants 25c, 7 for 50c, or 15 for \$1.00, postpaid.

CHIVES.

Perfectly hardy little perennial members of the onion tribe, and are grown entirely for their tops, which are used wherever the flavor of onion is required. Planted in small clumps in any common garden soil, they grow readily. The tops appear very early in the spring, and can be shorn throughout the season. Roots, per bunch, 25c, postpaid.

ONION SETS.

Indispensable for early onions for bunching, as in a very few weeks they are ready for the table. Price by the pint and quart include prepayment of postage (deduct 15c per quart if by express.) Price by the peck and bushel is subject to market variation, and they are shipped at buyer's expense. If you want a large lot write for prices.

WHITE BOTTOM SETS.—The bottom onion sets grown from seed are the most popular of all and the finest and best for early use and large onions. Per pt. 20c, qt. 35c, pk. \$1.00, bu. \$3.25.

YELLOW BOTTOM SETS.—Like above except the color. Per pt. 15c, qt. 30c, pk. 85c, bu. \$3.75.

RED BOTTOM SETS.—Per pt. 15c, qt. 30c, pk. 85c, bu. \$3.50.

SELECTED FARM SEEDS.

Our farm seeds are grown especially for seed, in the section best suited to their development and perfect maturity, are all carefully selected, thoroughly cleaned, of the best quality, and we sell at reasonable prices, which are subject to any important market changes. These prices are net and not subject to premium or discount which is offered on garden seeds.

NOTICE.—While we exercise the greatest care to have all seeds pure and reliable, we do not give any warranty expressed or implied. Samples sent for testing if desired.

SHIPPING.—In this department everything that is quoted by the packet or pound is sent by mail postpaid; all large quantities, unless noted, are sent by express or freight at expense of the purchaser. Prices named include bags, except on clover and grass seeds, and delivering to depot here.

It costs less than 25c an acre to use our carefully selected and tested seed corn.

SEED CORN. *Is it wise to risk doubtful corn when good seed is so cheap?*

The varieties of field corn we offer are the best now in use. They were grown especially for seed purposes, and well matured, cured, carefully sorted by our seed corn experts, and shelled with great care. The value of the corn crop in Iowa alone would be increased two million dollars by an average increase of one bushel per acre, and it has been demonstrated that the crop can be fully doubled by planting some of our improved varieties. We are in the center of the best corn growing country of the world, where the soil and climate are peculiarly adapted to its culture, and now we can say without fear of contradiction, that for the season of 1898 we have the best supply of seed corn ever offered by any seed firm in the world.

The necessity of planting the very best varieties is plain, and it will not pay you to experiment with the many sorts which we have tried and found worthless, nor to purchase from unscrupulous dealers. We claim to have supplied more farmers with seed corn last year than any other seed firm in the world ever did before. Some dealers, last year, seeing the great success we had made in the seed corn trade, purchased common crib corn and sold it out untested and under fictitious names, and it made their customers a great amount of trouble. All our seed corn is very carefully tested, and none sent out that we are not certain will grow well under proper conditions. We do not warrant it, but we will mail samples for testing to prospective customers. If a large quantity is wanted, ask for prices. No extra charge for bags.

IOWA SILVER MINE.

THE GREAT \$1,000.00 CORN—YIELDS 215 BUSHELS PER ACRE.

The most marvelous variety of corn ever offered and one which will surprise everyone who plants it. If the farmers take hold of this as they should it will revolutionize the corn growing of the country. Just think of this wonderful yield, 215 bushels per acre with ordinary culture. We don't blame some practical farmers for looking incredulous when this is mentioned; we did not believe it ourselves until we had measured the ground and proved conclusively that the report was correct. The seed corn trade is our great specialty and we claim to be corn experts, and in the spring of 1895, when we first saw this corn, we purchased the entire stock for \$1,000.00 cash. An offer of \$10.00 per pound would not have induced us to sell all we had of it, as we wanted to save it for our customers. Our judgment was correct as proven by the past seasons crops which were the most marvelous ever grown. Just think of it! The average corn crop of the United States is only 28 bushels per acre, and there was more than seven times this amount of Iowa Silver Mine grown on one acre. Would you like to grow this kind of a crop? Plant Iowa Silver Mine corn, plant your whole farm to it. Adopt our new method of culture which will be sent free to every one ordering this variety of seed corn from us.

ORIGIN.—Ten years ago in selecting over some unnamed white corn, one of the best seed corn experts in America found one ear which was of ideal shape, size and color. He planted it carefully in an isolated spot, and from the crop selected only one ear for planting the next season. He continued his careful selection of only the one best ear out of crops for five years until the type was fully fixed. It has been kept very carefully and none of it has ever been allowed to leave the originator's place until we purchased it.

DESCRIPTION.—Stalk grows to a height of about seven or eight feet and sets the ears about three and one-half to four feet from the ground, just the right height for easy picking. One peculiarity we noticed in going over the field was that there were no barren stalks every one had an ear, many stalks had two good ears, and the originator says that that has been characteristic every year that he has grown it. It has not a large growth of fodder, having been bred essentially for grain, though it has plenty of blades to support the growth and it is well rooted as any corn grown. The type is very even, so unusually so that in selecting exhibition ears for the fair in the field he could take the ears as he came to them with very few exceptions. Ears measuring from ten to twelve inches in length and weighing one and one-half pounds are not uncommon. The ears are very uniform in size and shape, with sixteen to twenty straight rows (usually eighteen rows) of deep, pure white kernels set on a small white cob, and the ears are well filled out over the tip. It is early, matured last year in less than ninety-five days, and has never been caught by the frost. The cob dries out rapidly so that it is ready for market earlier than any white field corn in existence, fully two weeks earlier than Champion White Pearl. We claim that it is the only strictly pure white corn now on the market. In its yield it will surpass all other varieties of any color. Seventy pounds of corn in the ear will make sixty-two pounds shelled. It is adapted to a wider range of soil and climate than any corn ever offered. From Minnesota to Florida, from Massachusetts to California, it will yield a paying crop where other varieties are grown at a loss. It is in every way a distinct type of corn, and possesses many of the characteristics which have made the Iowa Gold Mine so popular, while the ear is larger.

We stake our reputation upon this corn giving excellent and entire satisfaction and that it is an entirely new origination and not an old sort under a new name. It is hardy, a great drouth resister and summing it all up the best corn ever introduced. The acme of perfection, unsurpassed and unsurpassable. The largest ear 100-day corn in existence. We challenge competitions. Don't fail to try it. See testimonials on next page.

Its Prize Record.

The Iowa Silver Mine corn was exhibited at one fair (Illinois) where in 1893 it took first prize as a white corn, and in 1894 ten of the largest ears took first prize, ten of the smaller ears took second prize. Afterwards the same ten large ears took sweepstakes over all other varieties both white and yellow making a total of \$95.00 in prizes taken at one fair by twenty ears of the Iowa Silver Mine Corn. It captured the big prize offered by us in 1896 for the largest crop against all other kinds of any color yielding 215 bushels. It took first premium of \$200.00, offered by the state of Illinois last year, for largest yield per acre (166 bushels) over all other varieties of any color, with keenest kind of competition. At Illinois State Fair in 1897, took first premium for best bushel of corn, any color or sort; first for best white corn in state, and grand sweepstakes for the best corn of any color, competition open to the world. It took our prize last year with a crop of 197 bushels per acre in ear, or 212 bushels shelled corn.

Now for 1898.

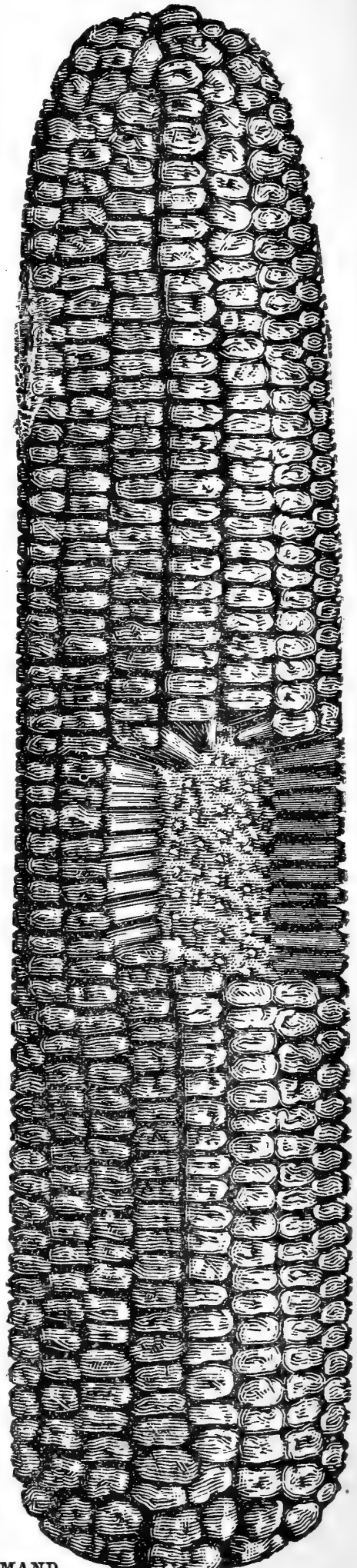
To every one who orders Iowa Silver Mine seed corn from us we will send free—full information as to how 215 bushels of corn were grown on one acre and instructions so that you can do as well. There is money in farming if you only know how. Don't be a snail; be progressive; adopt new methods, and use good seed. Figure out what your profit would be if your crop was that large. It will pay you to plant your entire field with this variety. You could pay off your mortgage in one year. Get your neighbors to order with you.

Warning.

If you want pure Iowa Silver Mine corn it must be purchased direct from us as we have not furnished a bushel to any other seed firm in the United States this year. Last year one seedsman sent out ordinary white corn under this name, and another seedsman purchased a crop which was grown for us, but which we had condemned as unfit for our trade. Cost of our pure seed is almost nothing (only about 25c per acre). One bushel per acre added to your crop will pay for it, and you can't afford to use doubtful seed.

ORDER EARLY—SURE TO BE A GREAT DEMAND.

PRICE, Postpaid or by Express Prepaid.—Per 2-oz. pkt. 5c, 1b. 25c, 3 lbs. 60c, 7 lbs. (will plant an acre) \$1.00. Specimen ears, 25c each. **PRICE, by Freight or Express, Purchaser Paying Charges.**—½ pk. 50c, pk. 75c, bushel \$2.00, 2 bushels or more @ \$1.75, 10 bushels \$15.00.





An average in size, depth of grain and size of cob, also picture of prize winner.

CLAUS JOCHIMSON, of Scott county, Iowa, beat the world's record for corn grown under ordinary conditions without commercial fertilizers.

How he Grew this Crop.—A full statement of how this wonderful crop was produced, and also of the two other largest crops ever grown in the world, will be sent free to everyone ordering Iowa Silver Mine Seed Corn from us. This information may be worth \$100.00 to you.

HURRAH! HURRAH!! HURRAH!!!

FOR THE IOWA SILVER MINE

IT BEATS THE WORLD. BETTER THAN KLONDIKE.

== READ THE WONDERFUL RECORD. ==

Produced 202 bushels in ear, equals 215 bushels shelled, per acre in	Scott Co., Iowa.
" 197 " " " " " " " " " "	Indiana.
" 188 " " " " " " " " " "	Arkansas.
" 166½ " " " " " " " " " "	Illinois.
" 135½ " " " " " " " " " "	Nebraska.
" 135 " " " " " " " " " "	Ohio.
" 128 " " " " " " " " " "	Texas.

Average of above is 176 bushels shelled corn per acre.

Produced Immense Crops Everywhere.

Our Customers all Rejoice with us.

We Print Extracts from a few Letters.

I don't think a better quality of corn can be found than the Iowa Silver Mine, and it yielded 114 bushels per acre for me this year.

S. S. TROXEL, Benton Co., Iowa.

The Iowa Silver Mine corn yielded 197 bushels of ear corn on one carefully measured acre. The yield was very nearly as large on my entire field of eight acres of this variety.

A. A. GHER, Boone Co., Ind.

Your Iowa Silver Mine corn grew splendidly and ripened sufficiently to make seed corn 100 miles north of St. Paul.

FRANCIS MADDOCK, Crow Wing Co., Minn.

THE BEST ON A 22,000 ACRE FARM.

On this estate, comprising about 22,000 acres, there were grown this year nearly 10,000 acres of corn, including almost all known standard sorts suited to this latitude, and we consider that of the white varieties the Silver Mine is the purest and in all respects the most satisfactory of all.

W. A. BICKET, Manager, Ford Co., Ill.

My crop of Iowa Silver Mine corn was greatly injured by a storm in July, but still it yielded 108 bushels per acre and 12 ears selected from it took three first prizes at state fairs. It is a world beater.

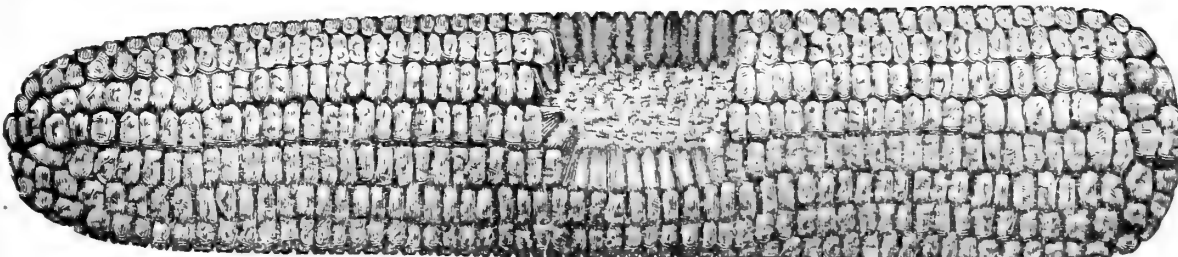
S. D. MADDOCK, Champagne Co., Ill.

Your white corn, (Iowa Silver Mine) did splendidly for me. It was planted May 4, and matured the fore part of August. It is better even than the Iowa Gold Mine. The ears are large and very solid. I tested four other new varieties this year, but this took the lead.

S. S. WOLFE, Jewell Co., Kan.

The Iowa Silver Mine did very well for me, maturing early, medium size ears and a very good grain, altogether a good corn.

R. C. FERGUSON, Guthrie Co., Iowa.



Your Iowa Silver Mine corn is all right. I have been on this farm for thirty years, but never had such a good variety before.

J. SCHAUER, Near Minneapolis, Minn.

The Iowa Silver Mine corn will do as well here as any variety. It was cut down twice by the frost this year, but still it yielded 75 bushels per acre.

J. E. OLSON, Nicollet Co., Minn.

Season was very unfavorable here, but still the yield of your Iowa Silver Mine corn was fine, and such ears I never saw before.

C. S. LITTLE, Hennepin Co., Minn.

We find the Iowa Silver Mine to be the only really pure white corn, the deepest grain, the smallest cob and largest percentage of perfect ears of any corn I have ever tested, and I have grown about all the named varieties. You have in the Iowa Silver Mine a variety that combines more good qualities than any other, either white or yellow. Being a thoroughbred corn, it has great flexibility of constitution, and thus is adapted to any soil or climate. Your customers will find it a veritable "Silver Mine" if developed with a plow and cultivator instead of a pick and shovel.

—J. H. BEAGLEY, Editor of American Corn Journal.

Your new Iowa Silver Mine corn is the earliest white corn I have ever seen. Ears of good size and in many instances producing two ears to the stalk. It is seldom one sees anything bred up to such perfection as this new corn.

W. O. RUDDICK, Lee Co., Iowa.

The 70 acres of corn we planted with seed from your firm, is the best field of corn in this county. It runs from two to five ears on each stalk.

D. M. MCKINDLEY, St. Charles, Ill.

The Iowa Silver Mine corn was badly injured by a severe hail storm, but still it matured and yielded well. We intend to plant largely of it another year.

C. A. GRAVES, Fillmore Co., Minn.

The seeds purchased from you produced the finest yields ever seen in our county. The Iowa Silver Mine corn yielded 188 bushels to the acre.

W. A. JOHNSON, Mississippi Co., Ark.

The Iowa Silver Mine is the finest corn I ever raised. It is simply grand.

GERMAN ZIRU, Howard, Kansas.

One of the largest seed corn growers in America writes under date of Aug. 17, 1895, the Silver Mine was planted the first day of May and was frozen down twice which sadly retarded its growth, however, it is today the finest field of corn with the largest ears I have ever seen, and I have all the leading varieties. It is a grand corn and is coming up to my most sanguine expectations.

The Iowa Silver Mine was planted May 1, cut down by frost May 20, first silk July 5. On July 16 all siled, two to three to each stalk. July 26 hot winds hurt it badly. August 24 husks began turning yellow. September 3, ripe and gathered. Conditions unfavorable, but it has done extremely well.

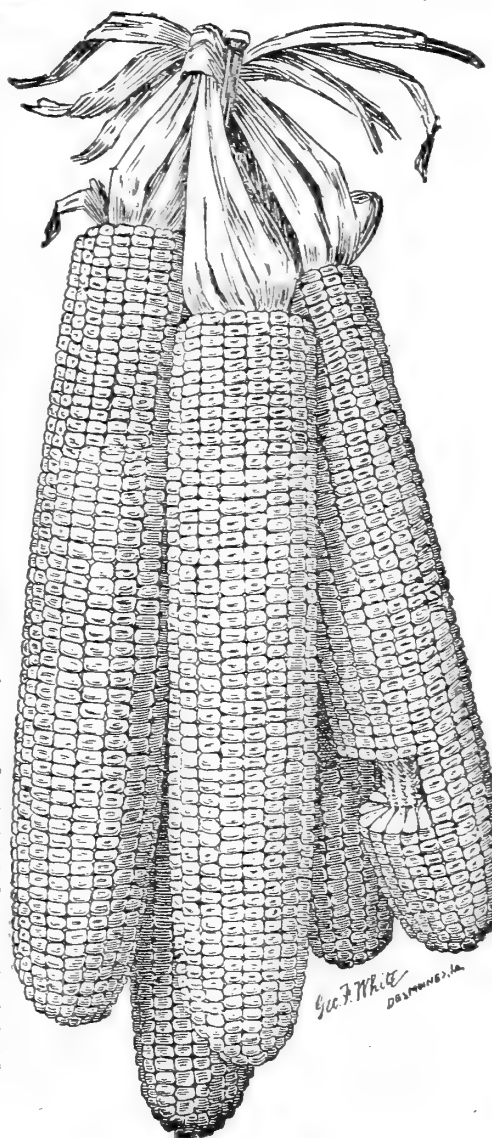
J. L. PERKINS, Harrison Co., Iowa.

I ordered one peck of Iowa Silver Mine corn from you last spring and I now have the finest and best corn from it in Oregon Co., Mo., and I did not fertilize or manure the ground. It is the best yielder I ever saw.

ORVILLE RICE, Oregon Co., Mo.

Your Iowa Silver Mine corn is far ahead of all other varieties in yield.

THEODORE SOWERS, Blue Earth Co., Minn.



A CORN FAIR.

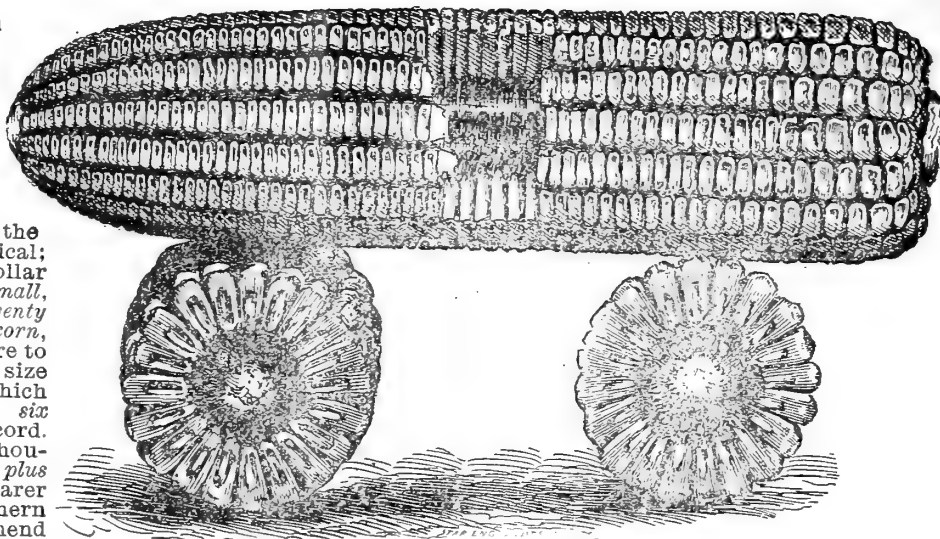
Commissioner purchased a quantity of our IOWA SILVER MINE SEED CORN, and distributed free to 800 farmers offering a prize of 40 acres of farm land to the one growing the best corn. People there laughed at the idea of growing good corn in Florida, but the result was marvelous. The crop was immense, and ears large and solid. A corn fair was advertised for July 28, as the corn was then ripe, and there were 345 exhibitors. It created great excitement and 6,000 to 8,000 excursionists from Florida and the surrounding states came to see it. The only variety exhibited was the IOWA SILVER MINE. Just think of it, a fair with nothing exhibited except corn. Other varieties of corn have been tried in Florida from all parts of the country, but none before ever yielded a paying crop. The crop ranged from 40 to over 100 bushels per acre and as they can grow two crops of corn per year on the same ground it was very profitable. Let some of our customers should think it is suited only to the south we call their attention to testimonial on this page from Northern Minnesota. This proves the wonderful adaptability of this corn to any climate.

Iowa Gold Mine Corn

THE BEST VARIETY OF YELLOW CORN
IN THE WORLD!

Everyone who has tried it is enthusiastic in the praise of this splendid new variety which we introduced in 1892. Iowa is not called a gold mining state, but in this grand new variety farmers of this country will find a veritable mine of wealth. It has received the most cordial endorsement as the best and most profitable variety ever grown. It is early, ripening only a few days later than *Pride of the North*; ears are not large, but of good size and symmetrical; color a bright golden yellow, as handsome as a twenty dollar gold coin just from the mint; grain is very deep, cob small, and therefore dries out very quickly as soon as ripe. Seventy pounds of ear corn makes sixty to sixty-two pounds of shelled corn, and in hauling to market it weighs out five bushels more to the wagon load than common varieties in the same size wagon. We have shelled selected ears of this variety which produced sixty-four pounds of shelled corn and only six pounds of cobs to the bushel. This is an unparalleled record. It cannot be equaled by any other corn in the world. Thousands of our customers say that they consider it the *ne plus ultra* in corn; that it would be impossible to attain any nearer perfection. It matures perfectly up to the extreme northern tier of counties in Iowa. We can most confidently recommend it as the acme of perfection and stake our reputation on its pleasing everyone who tries it. One carload lot of four hundred bushels of Iowa Gold Mine corn was carefully weighed, and after shelling it was reweighed and there was just 456 bushels. Just think of it—a gain of 14 bushels to the 100!

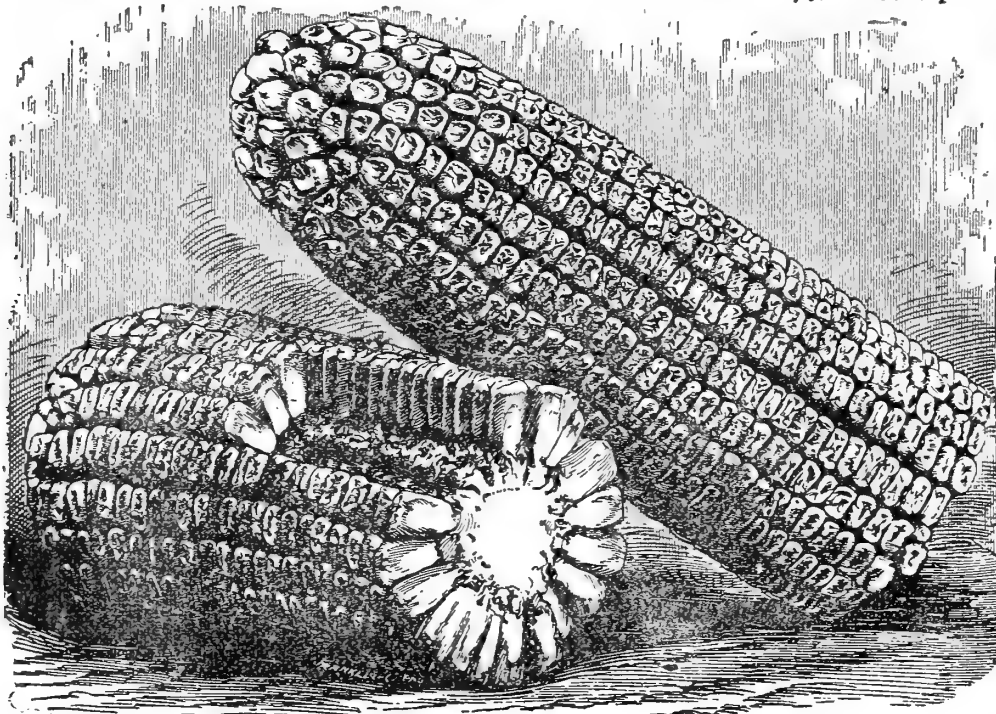
Remember, if you want pure Iowa Gold Mine corn you must purchase it direct from us. If you purchase from your local dealer, insist on seeing that our label is in every bag, plainly marked **Iowa Seed Company**. It will pay you to change your seed, and don't fail to at least see a sample of Iowa Gold Mine before buying elsewhere. Notice our low prices this year. Per large package, 5c, 1b. 25c, 3 lbs. 60c, postpaid. By freight, pk. 50c, bu. \$1.25, 2 bu. or more at \$1.00 per bu.



IOWA GOLD MINE CORN. (From a photograph.)

LEGAL TENDER.—With the exception of our Iowa Gold Mine, we consider the Legal Tender the best variety of yellow dent corn for Iowa, Illinois, Nebraska and the south. It is the result of about ten years' selection by a seed corn specialist in Iowa, and has taken first premium at many state and county fairs. The corn is very productive, of uniform pure yellow color, ear very large and long and a deep grain on a small cob, while the stalk does not grow too large. The introducer says: "Our ideal ear is an ear two-thirds as large around as it is long, containing sixteen to twenty rows, and small shank. The kernels are deep, the cob is small at the butt and the ear holds its bigness until near tapering off. It should be capped over and the kernels should hold their bigness toward the point and the butt run out straight and not crinkle." It matures in about 115 days, but we do not recommend it for the extreme northern portion of this state. Per peck 50c, bushel \$1.25; 2 bushels or more, @ \$1.00.

STAR LEAMING.—The Leaming corn, which originated with Mr. Leaming, of Ohio, was always a good variety, but it had some serious faults for culture in this state, and we have refrained from giving it our endorsement. A few years ago we found an extra nice lot in the hands of an enterprising Iowa farmer, who had been selecting it for many years. We were greatly pleased with it, but were not willing to offer it to our customers without still further selection. We now have a corn which is a great improvement on the Leaming, but it retains all the valuable characteristics of that variety, so that instead of giving it a new name, we call it **Star Leaming** to distinguish it from other strains. It will ripen in 100 days, has medium size ears, grains of good depth, and rich golden yellow color. It is very productive, and we are sure will please our customers. It can only be obtained by ordering direct from us. Peck 50c; bushel \$1.25; 2 bushels or more @ \$1.00.



LEGAL TENDER.

CHAMPION WHITE PEARL.—A popular white corn where the Iowa Silver Mine is unknown. Per pk. 50c, bu. \$1.25, two bushels or more @ \$1.00.

EVERGREEN FODDER SWEET CORN.—This is one of the most valuable items on the list for stock farmers and one which they should devote more land to. The demand for it is constantly growing and it has everywhere proved highly satisfactory. Our corn will yield a large quantity of fodder which is rich and nutritious. Valuable for feeding hogs and milch cows. Dairy farmers will find that our Evergreen fodder corn is fully double the value of field corn for fodder purposes. It has a good stalk filled with large, succulent leaves, which are greatly relished by stock. Per pk. 50c, bu. \$1.40, two bushels or more @ \$1.25.

EARLY FODDER SWEET CORN.—Will make feed much earlier than the above and is very nice to feed when in roasting ear. Not as large a yielder. Per pk. 50c, bu. \$1.40, two bushels or more @ \$1.25.

GIANT MEXICAN JUNE CORN.—A giant among corn, growing from 16 to 20 feet in height, with ears 10 feet from the ground. A grand variety for grain in the south, for the silo in the north, and a grand curiosity for every section. It is exceedingly leafy in its upper sections and this gives special value to it for the silo. A few stalks of this giant corn will make a grand sight in any garden. It is a white dent with a good sized ear. Pkt. 5c, 1/4 lb. 15c, 1b. 50c, postpaid.

"I grew 480 bushels of your Iowa Gold Mine corn on four acres last year. An average of 120 bushels to the acre." W. W. PRESTON, Warren Co., Iowa.

"Your Iowa Gold Mine was early, stood the drouth remarkably well and produced 500 bushels of good sound corn. My neighbors with as good, or better conditions, either failed entirely or had only soft corn. I never made a more profitable investment in my life." F. H. FURNEAUX, Arapahoe Co., Colo.

"Your seeds were as good as any I ever planted. The Iowa Gold Mine corn is pronounced by everybody in this neighborhood to be the best corn ever raised here." WILLIARD GREENLEE, Mason Co., W. Va.

"Your Iowa Gold Mine corn did splendidly and I think it is the best early corn I ever saw." T. W. KIZER, Shelby Co., Ohio.

"The Gold Mine corn I bought of you gave perfect satisfaction." R. B. HARKIS, Hall Co., Neb.

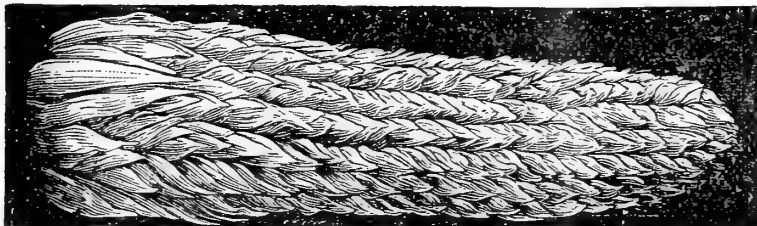


EVERGREEN FODDER SWEET CORN.

"The Gold Mine corn did well for me, it is a mammoth yielder." C. E. ABEL, Buchanan Co., Iowa.

"The Iowa Gold Mine corn comes the nearest being all corn and no cob of any variety I ever grew." H. F. JACOBS, Calhoun Co., Iowa.

TRIAL PACKETS LARGE PACKAGES OF
ANY OF THE VARIETIES
OF FIELD CORN AT FIVE (5) CENTS EACH.



AN EAR OF PRIMITIVE CORN.

PRIDE OF THE NORTH.—(See cut No. 1.) This variety has been grown and improved in the extreme northern part of Iowa. The ears are 8 to 10 inches long with small cob and kernel; seventy pounds of ears will make sixty pounds of shelled corn; color bright orange, and very uniform. Will ripen in ninety days and matures in this latitude when planted in June. Per pk. 50c, bu. \$1.40, 2 bu. or more @ \$1.20.

LONGFELLOW FLINT.—(See cut No. 2.) An eight-rowed yellow flint variety with ears from 10 to 15 inches long, $1\frac{1}{2}$ to $2\frac{1}{2}$ inches in diameter, and are well filled out to extreme end of cob. The cob is small and the kernel large and broad, ripens in 85 to 90 days. This corn is well adapted to the northwest, and is said to produce 200 bushels of ears to the acre in Massachusetts. In ordering, be sure and put in the word flint, to distinguish from our Longfellow Dent. Per pk. 75c, bu. \$2.00, 2 bu. or more @ \$1.75.

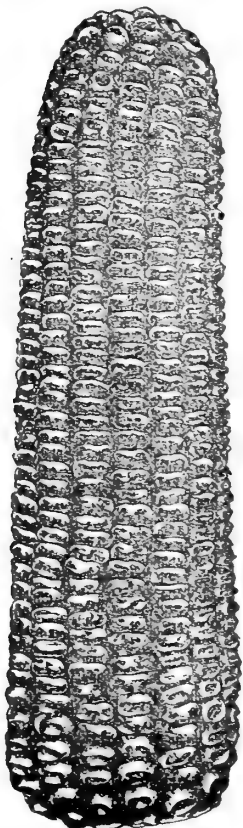
CLARK'S EARLY MASTODON.—(See cut No. 3.) Very popular in some sections of the country owing to its large size and record of enormous yields. In the celebrated *American Agriculturist's* corn contest in 1889, the Early Mastodon outyielded every other yellow corn in America. Mr. Alfred Rose, of New York state, raising 213 bushels of shelled corn to the acre. It is hardy, of strong, rank growth, ears of good size. Matures in 120 days. Pk 50c, bu. \$1.50, 2 bu. or more @ \$1.25.

LENOCHER'S HOMESTEAD.—(See cut No. 4.) Well known in Iowa from its having won the *Iowa Homestead* prize of \$100.00 as the largest producer in the state. In 1891 this variety yielded 345 bushels on three acres with ordinary culture. It was also awarded a diploma at the World's Fair. This variety originated with Mr. G. F. Lenoche, one of the most practical farmers and corn growers in the state. Color dark red with light colored cap; grain deep and hackled. Ear somewhat above the average size; cob small and dries out rapidly, so that it has never been caught by frost. We believe it to be a safe corn to plant in any part of Iowa. It shells readily and the grain is so soft that it makes an excellent corn for feeding, although its color is objectionable for marketing. Our seed has been carefully selected for seed purposes. Per pk. 50c, bu. \$1.50, 2 bu. or more @ \$1.25.

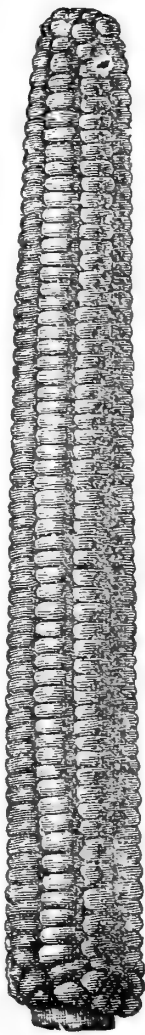
TRY **SPILTZ**

THE New Grain
IT WILL BE A GREAT BONANZA FOR NORTH-ERN FARMERS.

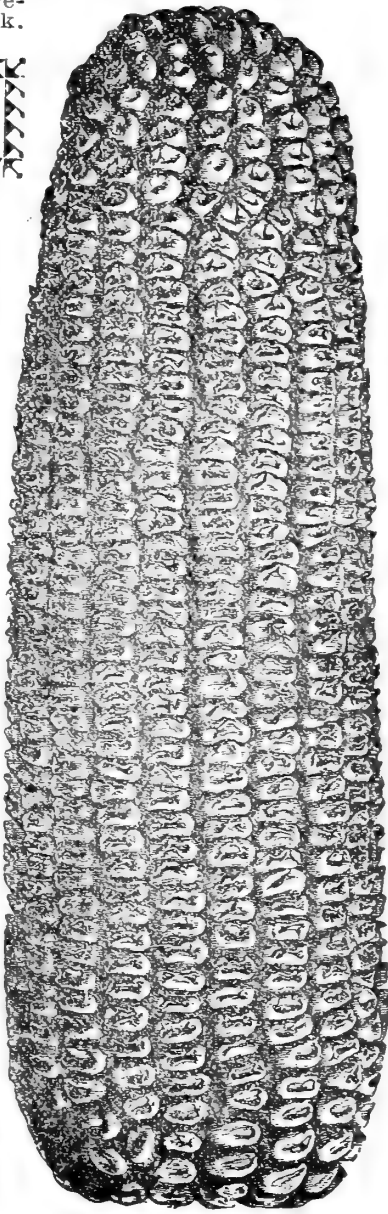
SEE PAGE 29.



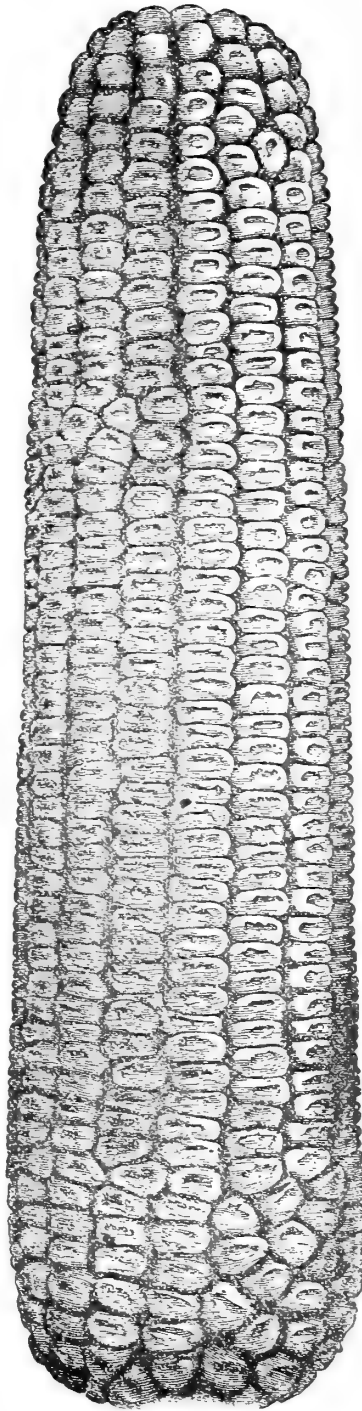
PRIDE OF THE NORTH,



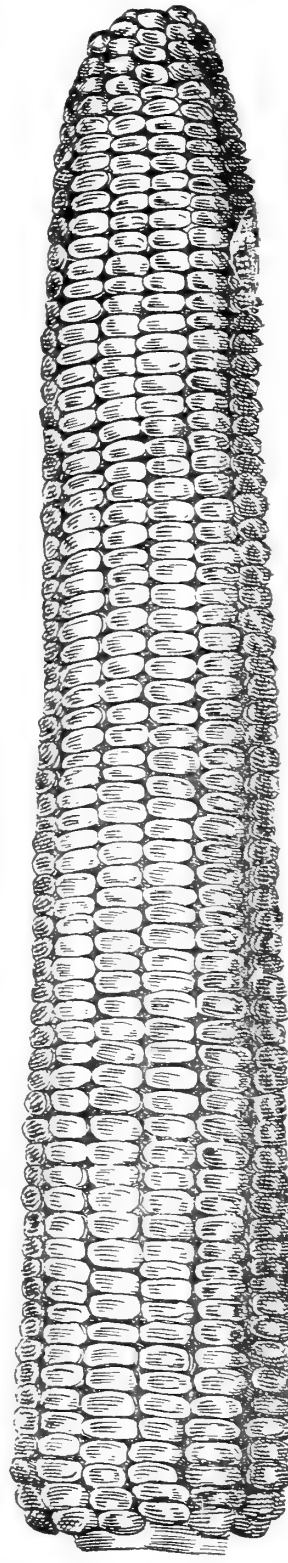
LONG FLINT.



EARLY MASTODON.



LENOCHER'S HOMESTEAD.



EARLY LONGFELLOW DENT.

EARLY LONGFELLOW DENT.—(See cut No. 5.) For several years one of our growers has been at work originating this new sort, the object being to obtain a variety fully as early as *Pride of the North* with much larger ear. He succeeded so well that we take pleasure in introducing it. The accompanying engraving was accurately made from an ear of the corn and well shows its shape, which is different from any other sort in existence and suggested its name. We recommend it highly to our many customers in northern Iowa and Minnesota as the best early corn offered. The grower who has had it for several years claims it yields as well as any of the large sorts. Stalks of medium height, strong and not easy blown down. Ears have 12 rows, and are 10 to 14 inches in length, kernel rather shallow. Per pk. 50c, bu. \$1.50, 2 bu. or more @ \$1.25.

PRIMITIVE or HUSK CORN.—It is from this wild variety that all of our cultivated kinds have sprung. The ears are of fair size and each individual kernel or grain is covered with a husk and all enclosed in an outer husk like common corn. In some of the wild and uncultivated parts of Mexico the Primitive or natural corn can still be found growing wild. It is quite curious and valuable for exhibition purposes and attracts great attention wherever seen. Some stalks bear as many as twenty ears. Large pkt. 5c, lb. 50c, postpaid.

HICKORY KING.—A white field corn, which has the largest grains, with the smallest cob, of any white corn ever introduced. So large are the grains and so extremely small the cob that on an ear broken in half a single grain will almost completely cover the cob section. Of strong vigorous growth, and yields splendid crops on light soil, and is one of the most productive white field corns for the south. We do not, however, consider it a safe crop for this state. Per pk. 75c, bu. \$2.00, 2 bu. or more @ \$1.75.

IOWA YELLOW DENT.—We always advise farmers to buy the best named varieties in buying seed corn, and believe it pays them in the long run. This is a cheaper corn, however, and quite popular some years. Ask for special price in lots of 25 bushels or more. Per pk. 40c, bu. \$1.00, 2 bu. or more @ 75c.

LINCOLN OATS.—When we introduced these oats to our customers in 1893 they had never been tested in this state, but had done so exceptionally well in Minnesota that we had much faith in them. Seven prizes, amounting to \$500, were offered for the largest crops grown from one bushel of seed sown, and in our 1894 catalogue we published the list of awards, the first prize going to a man who grew 174 bushels from one bushel of seed sown, and the average of seven successful competitors was 116 bushels each. What we claim for the Lincoln is that it is a very heavy yielder, is comparatively early, has proven to be entirely rust proof, and stands up exceptionally well. On account of its soft nib, heavy meat and thin hull it is unsurpassed for feeding and for making into oatmeal. Our price is low this year and you should try them. Pound 25c, 3 lbs. 60c, postpaid. By freight, pk. 40c, bushel \$1.00, 2 bushels or more at 75c, 10 bushels or more at 65c.

GREAT NEW ZEALAND OATS.—This grand new variety was first introduced by us in 1895 and has given remarkably satisfaction, in one instance yielding 102 bushels per acre while other varieties in the same vicinity yielded only 40 to 50 bushels.

It averages a trifle higher than other sorts, has very stiff, strong straw, never known to lodge. About one week later in maturing than the common round head oat, thus giving time to harvest the hay crop. They stool out remarkably well, and thus require less seed to the acre and almost entirely free from rust on all kinds of soils. Their only fault is that they are and always have been somewhat mixed with round head oats. Peck 40c, bu. \$1.00, 2 bu. or more @ 85c, 10 bu. or more @ 75c.

IDEAL BARLEY.—And it is indeed an ideal which will please everyone who tries it. Our cut well illustrates it. The heads are large and well filled with large, plump kernels which not only are without the objectional long, harsh beards, but also are hullless. Those who have grown it claim that it will produce a very much larger crop than any other variety. It weighs 60 to 65 lbs. to the measured bushel, while ordinary barley weighs only 48 lbs. The hulls of the common barley form quite a proportion of the total weight, but there is no waste in the Ideal—it is hullless. It is a great improvement on the old hullless barley which had a black grain, as the Ideal is white. The straw is very stiff and strong, amply sufficient to stand the weight of the heavy heads. It is the handsomest, most productive and best variety we know of and we are sure it will prove satisfactory. Per pkt. 5c, lb. 30c, 3 lbs. 75c, postpaid. By freight, per pk. 75c, bu. \$2.00, 2 bu. or more @ \$1.75.

VELVET CHAFF, or BLUE STEM WHEAT.—Several years' test has proven that this does the best of any sort throughout Iowa. It is a remarkable, semi-hard spring wheat, yielding large crops free from rust. The millers here pay more for it than any other sort. Our seed was grown in Minnesota and is extra choice. Lb. 25c, 3 lbs. 65c, pk. 50c, bu. \$1.50. Ask for prices in quantity.

TURKISH RED WINTER WHEAT.—Has proved invincible, every year without exception producing a good paying crop. It is strictly IRON-CLAD and almost entirely free from rust, blight and scab, and lives through winter in the most exposed places. It has a record of 44 bushels. Produced 38 bushels per acre for us in 1897. The grains are plump and quite hard. Per pk. 50c, bu. \$1.50. Ask for prices in quantity.

SUCCESS BEARDLESS BARLEY.—The earliest barley known. The straw is about the height of the common barley, but better and will stand up on any land; with good land and season has produced 80 bushels per acre. Sow as early as you can; frost does not hurt it. This barley has remained on land from harvest until spring and grew the next season. Being beardless handles as easy as oats and makes a stronger feed. Per lb. 25c, 3 lbs. 60c. By freight, per pk. 50c, bu. \$1.40, 2 bu. or more @ \$1.25.

MANSHURY BARLEY.—Is one of the best six-rowed sorts grown. It is early in ripening; a strong, upright straw, and yields from fifty to seventy bushels per acre. The heads of this barley are very long, and contain from seventy-five to one hundred great, plump, heavy kernels of grain. Per lb. 25c, 3 lbs. 60c, pk. 40c, bu. \$1.25, 2 bu. or more @ \$1.00.

JAPANESE BUCKWHEAT.—About a week earlier than Silver Hull, and yields almost as much again. The flour made from it is equal in quality to any other buckwheat, while it is much more productive than any other, and succeeds well far north. As the straw is heavier and it branches more, it does not need to be sown as thickly as the other kinds. Per lb. 25c, 3 lbs. 60c. By freight, 10 lbs. 40c, 100 lbs. \$2.00, equals \$1.04 per bushel.

SILVER HULL BUCKWHEAT.—A very good and popular variety. Grain is of a light gray color, is rounder than the common variety, has a much thinner husk, matures earlier, and yields more. Per lb. 25c, 3 lbs. 50c. By freight 10 lbs. 40c, 100 lbs. \$2.00, equals \$1.04 per bushel.

SPRING RYE.—This grain is often planted by the farmers especially for the paper makers, who prefer it to any other. The straw is shorter and stiffer than the winter variety and is always easily secured, while the grain is of equal value. Per lb. 25c, 3 lbs. 60c, pk. 50c, bu. \$1.50, 2 bu. or more \$1.25.

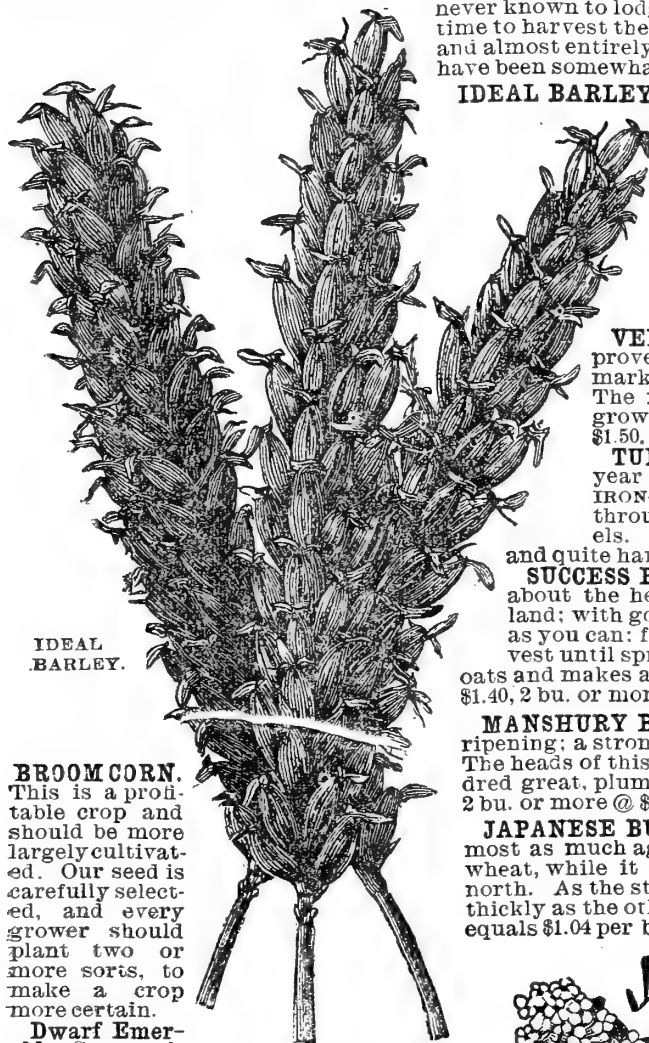
WINTER RYE.—Our seed is choice and sure to satisfy. Per pk. 40c, bu. \$1.00, 2 bu. or more @ 80c.

FIELD PEAS.—One of the most profitable crops for fattening stock and especially for hogs. Also profitable for marketing as dry or split peas. Sow two bu. to the acre or with oats, one bu. of each.

Scotch Beut.—Best of the blue field peas; very productive. Pk. 60c, bu. \$1.50, 2 bu. or more @ \$1.35.

White Canada.—More used than any other. Per pk. 60c, bu. \$1.40, 2 bu. or more @ \$1.25.

Blue or Green.—Like above except color. Per pk. 65c, bu. \$1.40, 2 bu. or more @ \$1.25.



IDEAL
BARLEY.

BROOM CORN.

This is a profitable crop and should be more largely cultivated. Our seed is carefully selected, and every grower should plant two or more sorts, to make a crop more certain.

Dwarf Emerald.—See novelties. Per lb. 35c, 3 lbs. 75c. By freight 10 lbs. \$1.50, 25 lbs. \$2.75, 100 lbs. \$8.00.

Australian.—Makes the most even and perfect shaped and colored hurl brush of any variety that we have ever seen, almost every pound of it being straight, of light green color, and suitable for the best parlor brooms. It is much more productive than most other kinds, the brush is much longer and is sure to bring a higher price. Per lb. 30c, 3 lbs. 75c. By freight, 10 lbs. \$1.00, 25 lbs. \$2.00, 100 lbs. \$6.50.

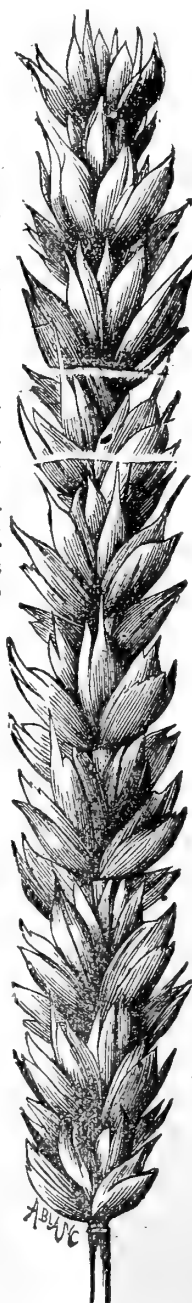
Wilson's Improved Evergreen.—An improvement on the Tail Evergreen. It stands well, is long and free from crooked brush. Per lb. 30c, 3 lbs. 75c. By freight, 10 lbs. 75c, 25 lbs. \$1.50, 100 lbs. \$4.00.

California Golden.—Per lb. 25c, 3 lbs. 60c. By freight, 10 lbs. 60c, 25 lbs. \$1.00, 100 lbs. \$3.00.

SEED FLAX.—It pays to own your own flax seed, instead of raising it on contract. Prices are subject to change during the season; present price per pk. 60c, bu. \$1.75. Ask for price in quantity.



NATURAL
SIZE



VELVET CHAFF.



KAFFIR CORN.

yield much better if drilled about two pounds to the acre, in rows 22 inches apart and cultivated until plants are too large. Seed may be sown in May, but we do not advise sowing until June or July. It can, however, be sown with grain in the spring, and it is said to not interfere with the grain crop. The Dwarf Essex Rape is unequalled as a pasture for sheep in the autumn, and as fattening food is without a rival in cheapness. It will keep a long time in early winter if cut and put in heaps like shocks of hay. Large pkt. 5c, lb. 35c, 3 lbs. \$1.00, postpaid. By express, 5 lbs. or more @ 20c per lb., 25 lbs. \$4.00, 100 lbs. \$12.00.

AMBER SUGAR CANE.—The earliest sort and makes the finest quality of amber syrup, and makes good sugar. Succeeds well everywhere. Our seed is carefully selected and of superior value. Per lb. 25c, 3 lbs. 60c, 10 lbs. or more by express, or freight, 5c per lb. 100 lbs. \$3.00.

FODDER CANE.—When sown broadcast this makes one of the most valuable crops for feeding green, and we are tempted to call it *the most valuable forage crop in existence*. Every dairy farmer should put in a few acres. Sow 40 lbs. per acre. Ten pounds or more at 4c per lb., 100 lbs. \$1.50.

PROLIFIC TREE BEANS.—Quite a valuable variety for field culture, grows about 20 inches high, has stiff, upright branches and bears immensely, sometimes yielding 45 bushels per acre. The beans closely resemble the White Navy. Per pkt. 5c, ½ pt. 15c, qt. 40c, postpaid. By freight, per pk. 75c, bu. \$2.75.

MAMMOTH WHITE FRENCH ARTICHOKE.—Claimed to be an improvement on the Jerusalem. *The greatest hog food known.* These are attracting much attention on account of their great fattening properties, great productiveness (over one thousand bushels having been grown on one acre), and ease with which they can be grown. They need not be dug in the fall; the hogs should be turned on them, and will help themselves by rooting for them. One acre will keep from twenty to thirty head in fine condition from October to April, except when the ground is frozen too hard for them to root. They are also said to be a preventive of cholera and other diseases, and they are also highly recommended for milch cows, increasing the yield of milk and at the same time improving their condition. Three bushels will seed an acre, and they should be cut the same as potatoes, one eye to a cut being sufficient. Plant in April or May, in rows three feet apart and two feet in the row, and cover about two inches deep. To destroy them they should be plowed under when the plant is about a foot high, at the time the old tuber has decayed and new ones are not yet formed. Per lb. 30c, 3 lbs. 75c, postpaid. By freight or express, pk. 50c, bu. \$1.25, bbl. of 3 bu. (enough for one acre) \$3.00.



ARTICHOKE.

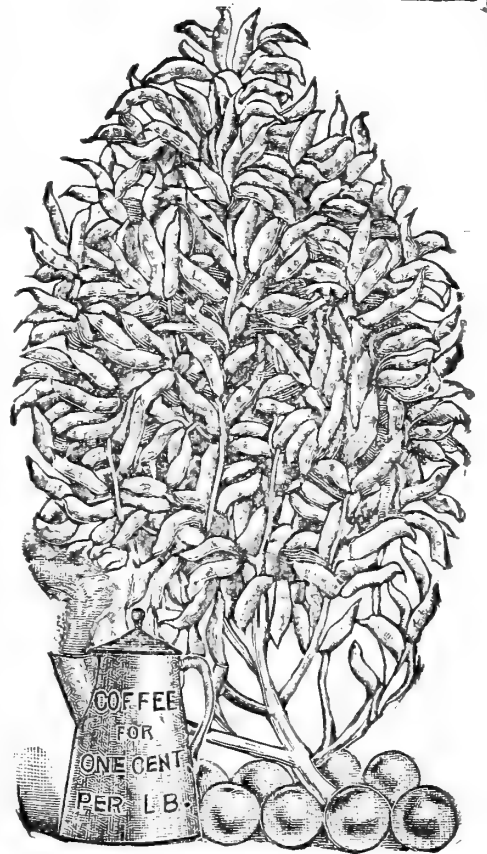
KAFFIR CORN.—An excellent fodder plant, yielding two crops of fodder during a season. Grows four to five feet high, upright stalk, with numerous large leaves, greatly relished by cattle and horses. The seed crop is also heavy, sometimes yielding sixty bushels to the acre. It does better sown in drills three feet apart using six to eight pounds of seed per acre. Per lb. 25c, 3 lbs. 60c. By freight, 10 lbs. 50c, 25 lbs. \$1.00, 100 lbs. \$2.50.

SOJA BEANS.—(*Coffee Berry*.) During recent years this variety has been largely sold under the name of German Coffee Berry at extremely high prices, but we prefer to offer it under its correct name. The berries ripen in about four months from time of planting and produce a crop of twenty to thirty bushels to the acre and are as easily grown as other beans. When roasted and ground it closely resembles coffee and tastes quite similar. Some mix half and half with coffee when using and claim it is superior. Its great value to the farmer lies in the fact that when ground it makes one of the most valuable crops for feeding stock and adds greatly to the milk production. Claimed also to be much superior to clover for fertilizing the soil and for pasturing, or feeding the green fodder, of which it frequently yields from eight to ten tons per acre. Sow broadcast one-half bushel to the acre, or it may be planted in drills three feet apart and one foot between plants. Per pkt. 5c, ¼ lb. 15c, lb. 40c, postpaid. Pk. \$1.25, bu. \$4.00.

DWARF ESSEX RAPE.—A forage plant of great merit, easily grown in any part of the United States on any land that will raise turnips or corn, and will furnish abundant supplies of succulent, rich, nutritious pasture at a season when it is most needed. Is of great value for sheep and lambs and when turned in on it, to use a common expression, "they soon weigh like lead." It is also of value for pasturing cattle. One acre of rape is sufficient to pasture 10 to 15 lambs on for two and one-half months. It is often sown broadcast, about five pounds to the acre, but will



DWARF ESSEX RAPE.



SOJA BEANS, OR COFFEE BERRY.

TREE AND HEDGE SEEDS.—As tree seedlings make but a small growth the first season, it is best to plant in rows or beds and transplant to permanent places at one or two years old. It is well to protect the first winter with straw or hay. Postage prepaid except at the five pound rate, at which purchaser pays the charges. Packets of any, at 5c each.

American White Ash.—¼ lb. 15c, lb. 50c, 5 lbs. or more @ 25c.

Box Elder.—¼ lb. 15c, lb. 50c, 5 lbs. or more @ 25c.

Speciosa or Hardy Catalpa.—Oz. 10c, ¼ lb. 25c, lb. 85c, 5 lbs. or more @ 50c.

Honey Locust.—¼ lb. 20c, lb. 50c, 5 lbs. or more @ 25c.

Black Locust.—¼ lb. 20c, lb. 50c, 5 lbs. or more @ 25c.

Russian Mulberry.—Its rapid growth, beautiful form and foliage, and, more than all, the excellence of its timber and fruit, make it a valuable tree for the north-west. Oz. 20c, ¼ lb. 65c, lb. \$2.00.

Osage Orange.—Makes a handsome and durable hedge. ¼ lb. 15c, lb. 50c, 5 lbs. or more @ 25c.

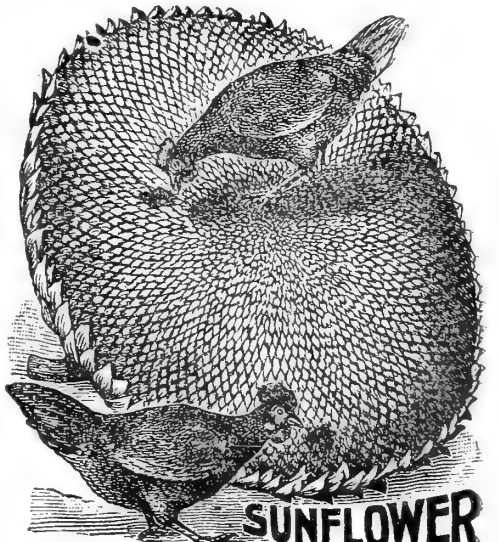
Tree of Heaven.—Of rapid growth and tropical appearance. Hardy. Oz. 10c, ¼ lb. 30c, lb. 75c.

SUNFLOWER.

MAMMOTH RUSSIAN.—The largest of all sunflowers. This is without doubt one of the best paying crops that can be raised. The seeds makes the best of food for poultry and can be raised at a very trifling cost (about one-third the cost of corn), and the stalks, which grow very large, make excellent firewood. It is also said to afford protection against malaria. Large pkt. 5c, lb. 25c, 3 lbs. 65c. By express, 10 lbs. or more at 8c per lb.

WHITE BEAUTY.—A mammoth single-flowering variety with pure white seed, which is the result of eight years of careful selection. Desirable for the flower garden and also excelled for poultry, outyielding the old sorts almost two to one in quantity of seeds produced to the acre. Large pkt. 5c, lb. 35c. By express 5 lbs. or more @ 20c.

BLACK GIANT.—A monster among sunflowers; seeds black. Quite attractive. Pkt. 5c, oz. 15c.



SUNFLOWER

A Pleased Customer

IS OUR BEST ADVERTISEMENT.

Yours seeds are all right as far as I have tested them. I admire your colors and assisted in 1862 in keeping them bright. Wish you success.

P. BAIRD, Mt. Camel, Ill.

The seeds I ordered of you came in good time and shape, and I am more than pleased with them.

H. E. BURNHAM, Washburn, Ill.

I have used your seed for the past three years, and find them superior to any others.

E. J. JACKSON, Eagle Grove, Iowa.

The clover seed I purchased of you last season was the finest seed I ever got from any seed firm. It was as clean as the cleanest and good as the best.

M. V. TOOMBS, New Hampton, Mo.

The Iowa Silver Mine Corn and Ideal Barley came duly to hand. Am well pleased with both.

L. W. MICKY, Plainville, Kan.

We were well pleased with the seed purchased of you last year.

E. A. CARRIER, La Peer, Neb.

I have purchased seed of the Iowa Seed Co. for the past three years and they have been good and true to name.

GINGERY, Atlantic, Iowa.

CLOVER SEED.

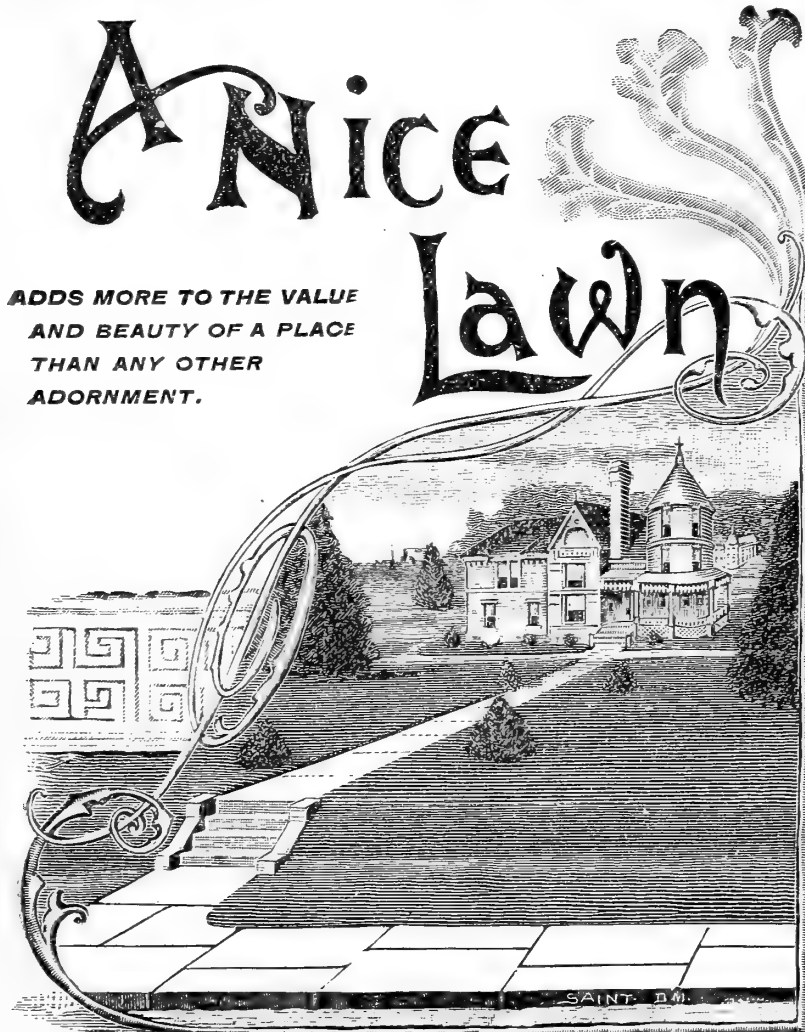
For several years we have made this a specialty, and we now have our electric machinery for cleaning so perfected that we claim that our grades average better than those of any other market, and believe they cannot fail to please the most particular. Other seed dealers who happened to be in our warehouse when we were cleaning clover have often remarked that the seed looked so extra nice they should not reclean it. From these same lots of seed we were cleaning out five to ten pounds to the hundred pounds, of weed seed, sand and shrunken clover seed. This makes quite a difference in real value, and our seed is really worth \$1.00 to \$2.00 per one hundred pounds more than that obtained from most dealers.

PRICES on clover and grass seeds are changing almost daily, so that we are unable to quote prices which will be invariable. Don't fail to write for prices before buying. If you are in a hurry for the seed you can order it and we will send seed to full value of money sent, on the day order is received. The following are the prices we are selling at on the date this catalogue goes to press (Dec. 28, 1897.) We will furnish 20 lbs. or more at the 100-lb. rate. If to be sent by mail add 10c per pound for postage:

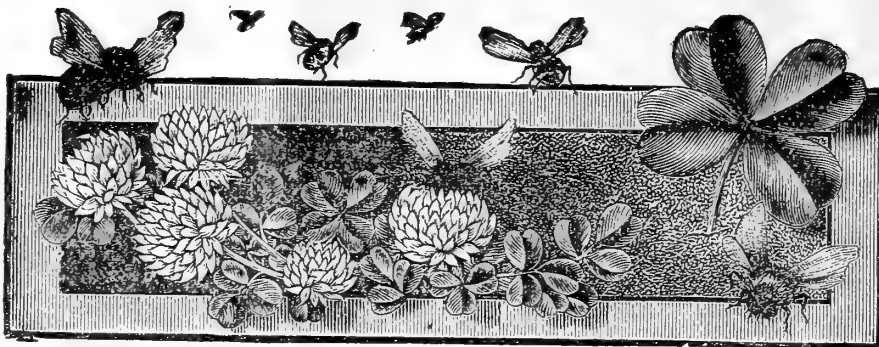
KINDS	Lbs. to sow 1 acre	Price per lb.	Price per 100 lbs.	Equals per bu.
CLOVER , Medium Red, best	15	\$ 10	\$ 5 85	\$3 50
Medium Red, 2d grade	15	08	5 00	3 00
Mammoth Red	15	10	6 70	4 00
Alsike	7	15	10 00	6 00
Alfalfa	20	15	7 50	4 50
Crimson (Scarlet Incarnate)	20	10	6 50	3 90
White	6	25	15 00	9 00
Honey or Sweet	10	40	.....	.....
TIMOTHY , best	12	8	3 00	1 35
KENTUCKY BLUE GRASS , fancy cleaned, 15 to Extra cleaned. ....25 to	60	20	11 00	1 54
RED TOP , fancy cleaned	100	15	7 15	1 60
Prime	12	25	16 50	2 30
ORCHARD GRASS	20	15	7 50	1 05
MILLET , German	14	20	12 50	1 75
Common	50	10	1 50	72
Early Harvest	50	10	2 00	96
Manitoba	50	10	2 25	1 08
HUNGARIAN	50	10	2 25	1 08
PERMANENT PASTURE , for high land	30	20	12 00	.....
For medium land	30	20	12 00	.....
For low, wet land	30	20	12 00	.....

Two-bushel grain bags to hold seed 15c. each.

COLLECTION OF CLOVERS.—For trial, one ounce each of the above seven kinds of clover for 25c, postpaid. One pound each of seven kinds, by express, \$1.00.



ADDS MORE TO THE VALUE
AND BEAUTY OF A PLACE
THAN ANY OTHER
ADORNMENT.



A PRICE LIST of Clover and Grass Seeds is published every week from January until June. It gives complete descriptions of all kinds of clover and grass seeds and much information of value to farmers. Ask for a copy of it whenever you wish to purchase.

FANCY GRASSES.

Many of these have great values for meadow or pasture. Ask for descriptive list. Postpaid 10c per lb. extra.

	Per lb.	Per 100 lbs
Rhode Island Bent	30c	\$22 00
Meadow Fescue	15c	8 00
Perennial Rye Grass	15c	7 50
Crested Dogtail	50c	35 00
Tall Meadow Oat	30c	22 00
Sweet Vernal	30c	18 00
Sheep's Fescue	30c	18 00
Creeping Bent	30c	22 00
Wood Meadow	35c	28 00

Alfalfa, or Lucerne Clover.

Very popular in many portions of the country, and it is especially of value in all parts of the west, northwest and south. Under proper management it will yield ten to twelve tons to the acre. All classes of stock are exceedingly fond of it. Horses will do more work and keep in finer condition than on almost any other food. It makes the largest quantity of the richest milk and butter. The roots are so long and grow so deep frost cannot heave or throw them out in winter. One sowing will stand for twenty years, and, instead of impoverishing the soil, enriches it. As a fertilizing and land-enriching crop it has no equal. Grows on the thinnest sandy soil and thrives in the greatest drouth. The best method is to sow broadcast about 15 or 20 lbs. to the acre. Comes up very spindling and slowly and it is necessary to mow the weeds to give it light, but when once established the weeds will be smothered. Postpaid, per lb. 25c, 3 lbs. 65c. By freight, \$4.50 per bushel.

Central Park Lawn Grass.

There is no question but that a nice velvety lawn adds more to the beauty of a place than any other adornments. How often a home costing several thousand dollars is erected, and then the planning and grading of the grounds is turned over to some ignorant but pretentious laborer who is installed to make the lawn. As a result the beauty of the place is forever marred. Here is an opportunity to display as much taste and art as in the construction of the dwelling itself. In fact, everyone has noticed how even a modest home often shines like a jewel when tastefully set in proper surroundings. Do not spend money in sodding a lawn, for it is expensive and is seldom satisfactory. When sod is cut from the road side or some out of the way pasture, it is poor in quality and full of weeds, and when unevenly laid produces a rough surface that disfigures the lawn. Our Central Park Lawn Grass seed is a mixture of about a dozen varieties of grasses which our years of study and experiment have proven to be best adapted to growing together. This mixture is made by ourselves from new crop, recleaned pure seeds of the best varieties, well suited for even and permanent growth, as good as money can buy. It cannot be excelled for producing a rich, velvety lawn of beautiful dark green color. The grasses are selected so that from the earliest spring through the hot summer months until winter it will keep its rich, green carpet effect. By the use of this, our best mixture, your lawn will always look well.

Our circular **How to MAKE A LAWN** sent free to any customer on request. Our lawn grass seed is also desirable for making an old lawn look fresh and bright. One quart of seed will sow 300 square feet. Per qt. 20c, 2 qts. 35c, bu. of 15 lbs. \$2.25, 5 bu. \$10.00.

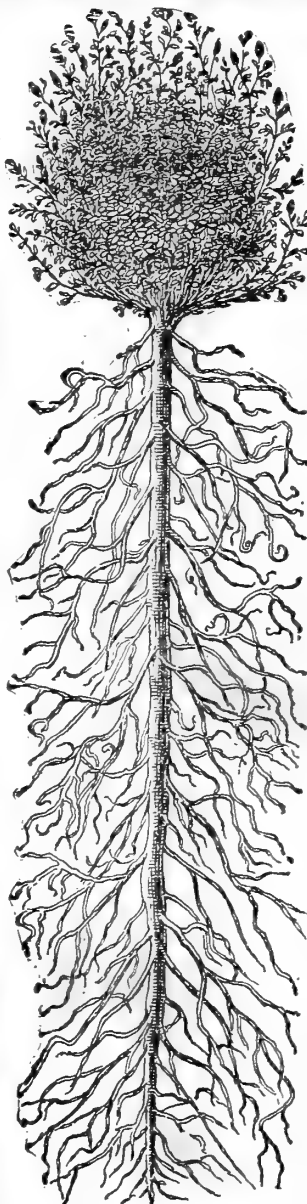
SHADY LAWN MIXTURE.—For shady places. Qt. 25c, 5 qts. \$1.00.

TERRACE LAWN MIXTURE.—For terraces or hillsides. Qt. 25c, 5 qts. \$1.00.

If to be sent by mail add 7c per quart for postage.

KENTUCKY BLUE GRASS.—Some of our customers prefer the pure Blue Grass for their lawns, and our seed of this is extra choice. Per lb. 20c, 3 lbs. 50c, bu. \$2.00. **IF BY MAIL** add 10c per lb. postage.

Lawn Fertilizers, Lawn Mowers, Lawn Rakes, Dandelion Pullers, Mole Traps, Lawn Vases, Lawn Trimmers, Rubber Hose, Etc. See page 62.



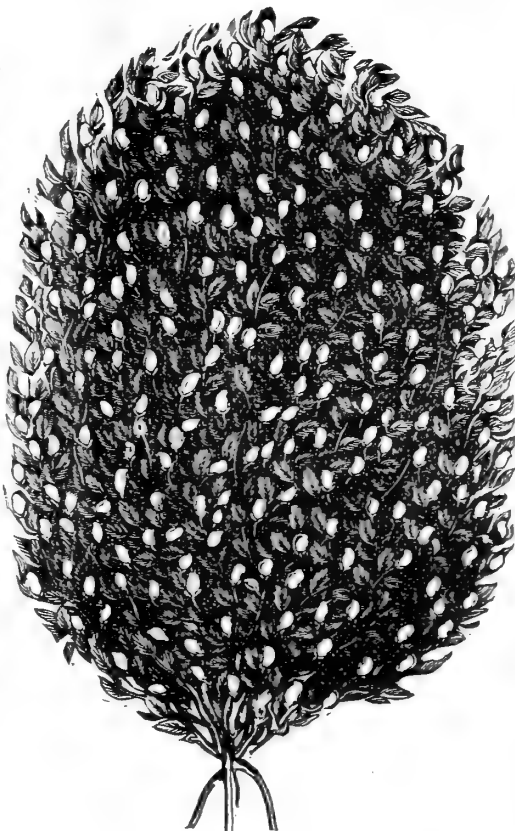
ALFALFA CLOVER.

FARM SEED NOVELTIES.

IDAHO COFFEE PEA.

(*Cicer Arietinum*.)

A grand novelty never before offered by any seed firm and is sure to be popular. The seed is very peculiar, unlike anything you ever saw, not at all resembling the Coffee Berry listed on page 27. It is a native of Idaho and has been grown in many of the western states. In Colorado last year it was grown largely as a substitute for coffee producing an immense crop at a cost of about 50 cents per 100 lbs. It is easily cultivated and one plant produces sometimes as high as 1,000 pods. When roasted and ground it makes an excellent substitute for coffee, having a good flavor, and it will make a profitable crop as soon as the seed becomes cheap enough so that it can be planted largely. The U. S. imports about \$95,000,000 worth of coffee every year an amount well worth saving to our people. It is specially adapted to arid regions, apparently gathering sufficient moisture from the atmosphere. A small amount of seed is sufficient as it does best planted in rows three feet apart, dropping one pea every fifteen inches. It will grow almost anywhere, frost and wind seem to have little effect on it and it is said that insects do not bother it. Can be cooked like ordinary garden peas and tastes equally good. Also makes a very delicious soup. If cut green it makes an excellent fodder plant which is nourishing and fattening and it yields an immense fodder crop. Don't fail to try it this year even if you purchase only a small quantity. Per pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25 postpaid.



IDAHO COFFEE PEAS.

WHAT OUR POSTMASTER SAYS.

DES MOINES, IA., Dec. 18, '97.
To whom it may concern:

I have known the proprietors of the Iowa Seed Co. for many years and can recommend them as trustworthy, energetic business men. They are shipping thousands of packages to all parts of the U. S., and we hear no complaint from their customers. Respectfully,

EDW. H. HUNTER, P. M.

I raised a large crop of the Idaho Coffee Peas this year and have been experimenting in feeding them to stock, beginning when plants are small and continuing until crop is ripe. Everything eats them and my hogs which were fed on them are very fat. I intend to devote several acres to them.

H. T. MILLER, Colorado.

F. Barteldes, of Kansas, says "The Idaho Coffee Pea yields 25 to 50 bushels per acre and when browned and ground we find it a most excellent substitute for coffee."

NEW ERA COW PEAS.

Another great novelty which has never before been offered and it will prove a boon to northern farmers. We made a trip last year through twelve of the southern states and found that everywhere they were planting cow peas and considered them one of their most profitable crops, as they yield immensely and are largely used as a green summer feed and also for planting in corn and other crops and plowing under as a fertilizer. All their varieties, however, are too late for the north, but after considerable inquiry we found a small lot of a new variety that had never been disseminated, producing about three crops per year in Georgia and maturing in 60 days from time of planting. It was tested in this latitude and in Minnesota and gave excellent results, producing well, and proved to be all right as to season of maturing. It has a speckled, bluish gray, rather small seed but the pods are long and well filled. Is of upright branching growth, and peculiar foliage. On the Georgia Experiment farm they produced over 12½ tons of green fodder per acre and 41 bushels of hulled peas. They are a great soil invigorator, as like clover they take most of their substance from the air. Farmers should give them a trial and we are sure they will be pleased. Per pkt. 5c, ¼ lb. 15c, lb. 50c, postpaid. By freight, pk. \$1.00, bu. \$4.00.

Every Farmer

In the United States from New England to California and from the Canadian line to the Gulf of Mexico should plant

Iowa Silver Mine Corn

this year. Notice testimonials. It succeeds everywhere. See pages 22 and 23.

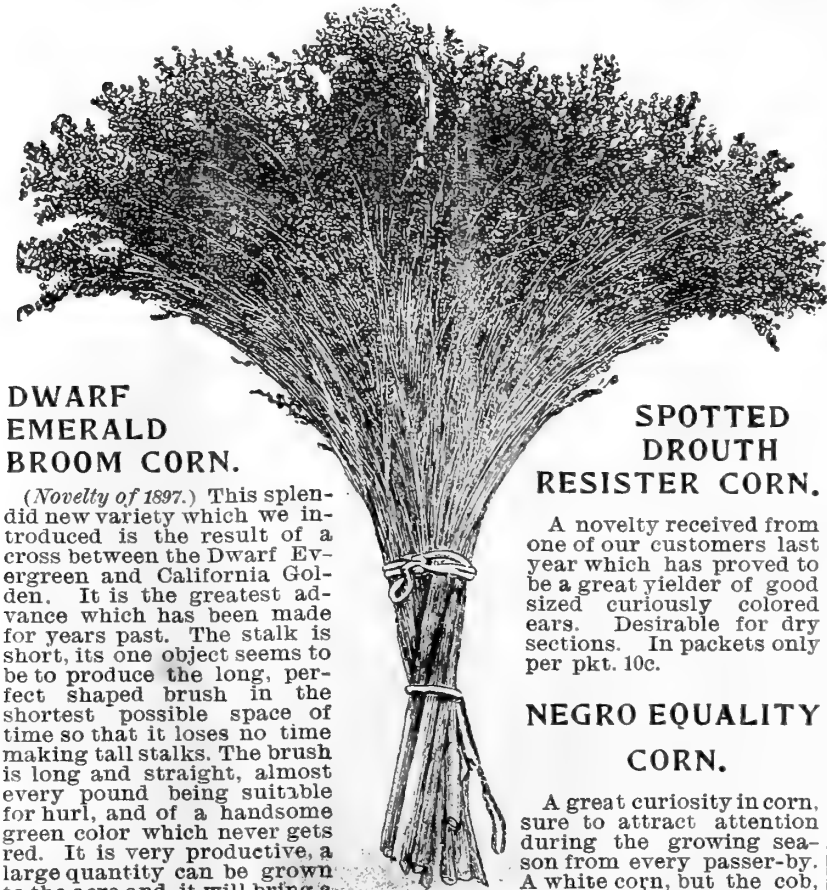
It is the best quality and largest yielding sort in the world.

SPLITZ.

A most wonderful new grain which we offered last year for the first time, and we consider ourselves fortunate to be the first to introduce a grain which, we believe, will prove of so much value. For centuries past it has been grown in a limited way in Eastern Russia near the Caspian Sea, its value not being known to the agriculturists of the civilized world. Seven years ago an emigrant from there brought some to this country and has been growing it since. A prosperous American farmer who lives near him secured sufficient seed from him to sow five acres three years ago and was surprised at the large crop. Last year again it produced a large crop yielding more than barley or oats. He says that under the same circumstances it will produce double as much as barley. He has been feeding the grain quite extensively, having no thought of offering it for seed, so that we could obtain only a small quantity. Our illustration which represents one head shows somewhat the shape of the grain which is intermediate between wheat and barley, the spikelets being separated from each other in such a manner that the crop is not readily injured by the weather. The chaff adheres to the grain when thrashed. We believe it will prove of much value for milling as well as for feeding. Will grow well and produce immense crops on poor soil, and the dry-weather appears to have no effect on it. Botanically it is known as *Triticum Spelta* and is supposed to be the grain grown in Egypt in the time of Moses. We can only offer it in small quantities but it will pay farmers to test it this year. Per large pkt. 10c, lb. 40c, 3 lbs. \$1.00, by mail, postpaid. By freight per pk. \$1.00, bushel \$3.00.



SPLITZ.



DWARF EMERALD BROOM CORN.

(Novelty of 1897.) This splendid new variety which we introduced is the result of a cross between the Dwarf Evergreen and California Golden. It is the greatest advance which has been made for years past. The stalk is short, its one object seems to be to produce the long, perfect shaped brush in the shortest possible space of time so that it loses no time making tall stalks. The brush is long and straight, almost every pound being suitable for hurl, and of a handsome green color which never gets red. It is very productive, a large quantity can be grown to the acre and it will bring a high price. Per lb. 35c, 3 lbs. 75c, postpaid. By frgt. 10 lbs. \$1.50, 25 lbs. \$2.75, 100 lbs. \$8.00.

DWARF EMERALD

SPOTTED DROUTH RESISTER CORN.

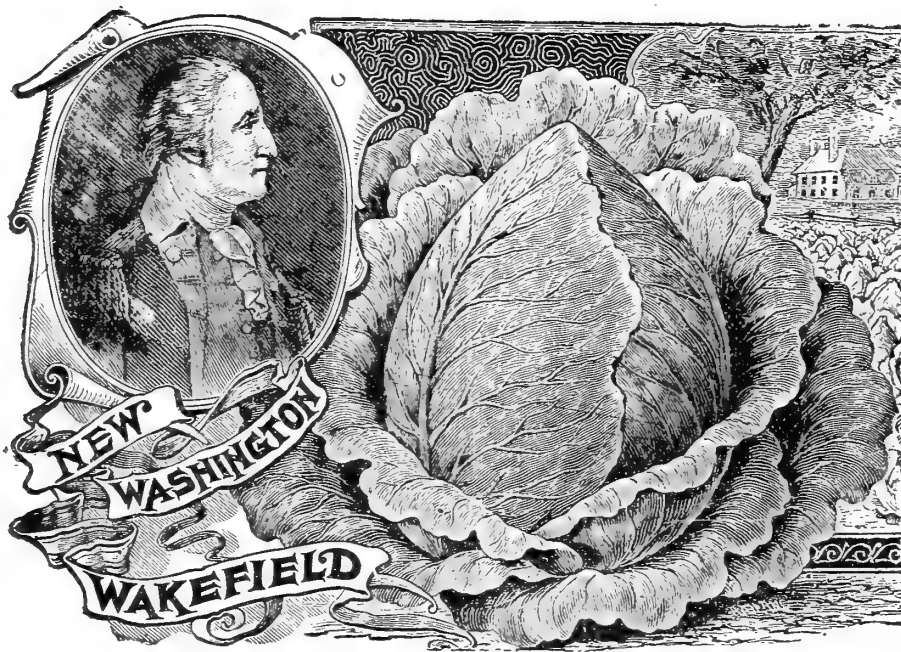
A novelty received from one of our customers last year which has proved to be a great yielder of good sized curiously colored ears. Desirable for dry sections. In packets only per pkt. 10c.

NEGRO EQUALITY CORN.

A great curiosity in corn, sure to attract attention during the growing season from every passer-by. A white corn, but the cob, husk, stalk and leaves are dark red nearly black. Per pkt. 10c, lb. 50c.

VEGETABLE NOVELTIES.

On the pink pages of this book we describe many choice novelties and some of the newer standard sorts to which we desire to call special attention.



NEW WASHINGTON WAKEFIELD CABBAGE.

For many years the Jersey Wakefield cabbage has been the most prominent early sort with market gardeners, and many attempts have been made to improve on it, with heretofore but limited success. In this grand variety, which is well shown by our illustration, we have a most superior strain, well worthy the name it bears. It is a leader, and **First in Head! First in Market! and First in the Hearts of Gardeners!** It is very early, the heads are pyramidal in shape, much larger in size than the Jersey Wakefield, and very solid, with few outside leaves. It grows remarkably uniform, the heads being of very even size and shape. Unequaled for either the market or family garden. Don't fail to try it this year. Per pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 80c, lb. \$2.50.

IMPROVED DANISH BALLHEAD CABBAGE.

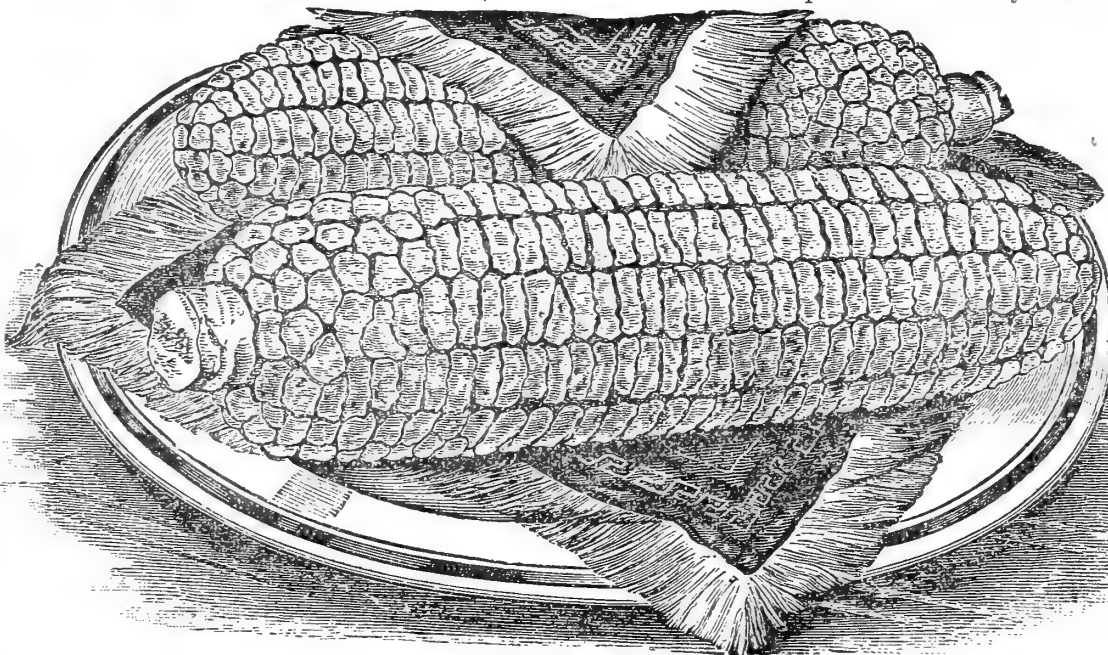
This variety has been selected and perfected for more than fifty years by the Danish gardeners. They prize it so highly that they grow it almost exclusively for winter cabbage, and annually export large quantities to London, Paris and other ports. It will stand long journeys and keep far into the spring, and is of most rich and mild taste. Heads round as a ball, of good size, solid and very fine grained. Has but few outer leaves, thus admitting of close planting. Medium size and hardest of all: tender and crisp with but little waste heart. Flavor excellent. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 80c, lb. \$2.65.

HONOR BRIGHT TOMATO.

A splendid new variety of unusual value. One of its most striking characteristics is the singular color changes the fruit undergoes during its development. It is first of a light green color, then turns to a striking waxy white, next lemon and finally to a rich bright red. Another characteristic is its long-keeping quality, which makes it especially valuable for shipping long distances. It has peculiar greenish-yellow foliage. It is almost proof against cracking of skin after heavy rains. The fruit is of good size, very solid, the vines vigorous and very productive, and the tomatoes of excellent quality. Pkt. 10c, oz. 50c.

EARLY SUNRISE SWEET CORN.

This splendid new variety which we introduced originated with a market gardener in the western part of this state, and for eight years he has been carefully selecting it to an ideal size and shape, and also the earliest maturing. In this way he has finally obtained this variety, which is distinct from all others. The ears about six inches long and well filled out at the end, the husk covering so completely and being so tight as to prevent the work of worms, which are so bad on the Cory. The grains



EARLY SUNRISE SWEET CORN.

are fairly deep and are set in straight rows on a small white cob; very uniform and handsome. It is quite productive and of as good flavor as any corn we ever tasted. Don't fail to try it. Market gardeners will find the Early Sunrise a most profitable and satisfactory variety. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 45c, postpaid. By freight, pk. \$1.00, bu. \$3.25.

THE MAINE STATE BULLETIN No. 27 reports that the Early Sunrise was as early as any variety in their long list, maturing in 79 days; much larger and better than Cory; in quality equal to most of the later varieties and the most prolific of all.

ITALIAN MIXED TOMATO.

Last year we purchased from a leading seed firm in Italy an assortment of tomato seeds including all varieties known in Europe. In our test there seemed to be an almost limitless variation as to color, shape and size, including a great many never before seen ranging from white, through all shades of yellow and pink to dark red and purple. Most of the varieties were of most excellent quality while a few were inferior. The field was a constant daily surprise and pleasure which we wish to share with our customers. Per pkt. 5c, oz. 35c.

CRIMSON CURRANT TOMATO.

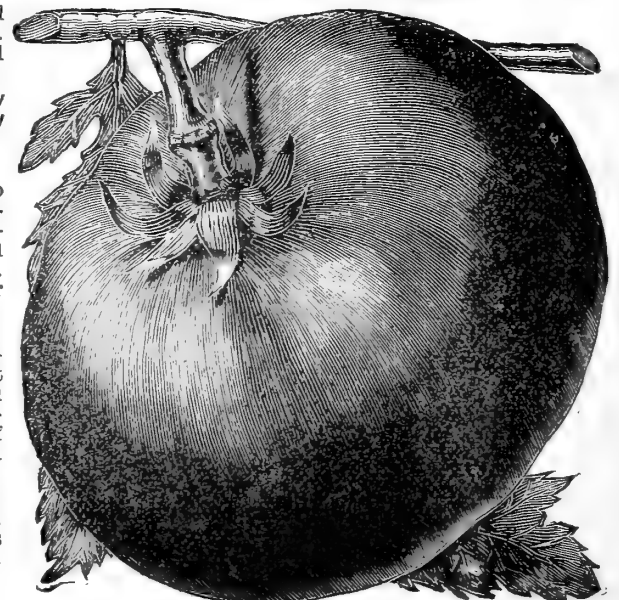
A most charming little fruit which belongs to the Tomato family, but it differs essentially in character of foliage from the ordinary sorts as well as in the fruit. The fruit is quite small hardly more than half an inch in diameter, of bright crimson color, and borne in long single or compound clusters containing twenty to sixty berries or tomatoes. It is a very ornamental and attractive plant, and produces fruit early which is of most excellent quality for eating from the hand. They are greatly liked when preserved or spiced for winter use, and make an attractive dish for the table. Pkt. 10c, oz. 40c.

CANARY ISLAND ONION.

A very handsome variety of onion which we have imported from the Canary Islands. It is of small to medium size, flat and ranges from white to dark pink in color. It is extremely early, maturing neat, handsome bulbs long before other sorts. Pkt. 5c, oz. 25c.

BLACK QUEEN BEET.

A splendid half-long blood beet of the finest table quality with beautiful dark blood-red foliage, thus combining the useful and ornamental. Pkt. 10c, oz. 20c.



HONOR BRIGHT TOMATO.

MOUGRI.

A wonderful vegetable from the Island of Java, which is greatly liked by the natives, has been tried in Europe and we introduced it to our customers last year. The dry season was much against it and still it pleased our patrons and produced long pods. It is a great curiosity and when once seen it will never be forgotten. The plant grows to a height of only 18 to 20 inches, but the great oddity of it is that the pods are very long, sometimes two or three feet, much longer in fact than the plant is high. The plant is of the easiest culture. Seed may be sown early and transplant when well started two to three feet apart each way. The pods are very curious, attaining an immense size in a wonderfully short time, sometimes growing as much as three inches in a night. The pods are solid, crisp and tender, some say they taste "just like radish," other epicures insist that in flavor they more nearly resemble the water cress. Persons who can not eat radishes because of their proving indigestible with them, will be much pleased with Mouгри. The flavor is most agreeable and when half grown they can be eaten on the table in the same way as roots of the common radish, which they greatly resemble in taste, but are far superior to in delicacy of flavor. In salads they will be highly esteemed. They make a good pickle and are well adapted for this purpose. It is, however, when the pods are boiled that

they are most delicious eating, like the most tender bleached asparagus and having a very delicate flavor. They should be served on toast with a cream dressing and will form a very agreeable addition and novelty for the table. Don't fail to try it. Pkt. of 25 seeds, 10c.

GIANT GRAY SUGAR PEAS.

A great novelty which we purchased last year from one of our customers who obtained it from a private family in Hawaii. They grow to medium height and should have brush to support them to obtain best results. They produce an immense crop of large flat pods which are unusually tender and sweet. The peas should not be shelled but the pods should be cut into pieces about an inch long and boiled. With the addition of a little milk and butter they make a truly delicious dish. The Cleveland Seed Co., who are the largest growers of peas in the United States, wrote us, "We consider your new Sugar Peas a decided improvement over any other gray seeded peas that we have ever grown and they are especially pure. They yielded very well." Another expert pea grower says, "Your new Sugar Peas are certainly different from anything we have ever seen in this line." If you enjoy a delicious table luxury don't fail to give them a trial. Stock is so small that this year we can only offer them in packets of 10 seeds for 10c.

MCCOTTER'S PRIDE MUSKMELON.

This variety is the result of long continued skillful breeding and selection with the purpose of securing a very large melon of spherical shape, with flesh of fine grain and high quality. The effort has been most successful, and we send out this variety with confidence that it will please all who plant it. The fruit is very large nearly round, evenly and moderately ribbed, dark green in color, partially covered with gray netting. The orange red flesh is very thick, sweet and of fine flavor. We earnestly urge all lovers of good melons to try this splendid new sort. Per pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00

**MCCOTTER'S PRIDE MUSK MELON.**

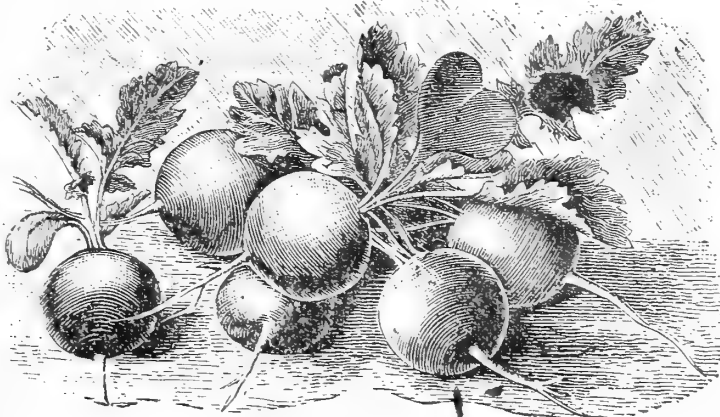
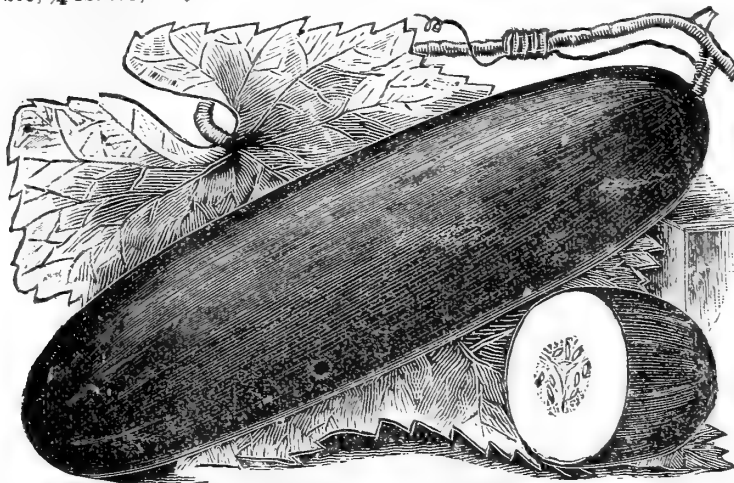
or, which is of a most intense brilliant scarlet; glossy and apparently varnished. Will make an attractive novelty in any flower garden. Per pkt. 5c.

EMERALD CUCUMBER.

A new variety from Ohio which retains every good point in the best strains of White Spine, and in addition, possesses that rich dark green color which has so long been sought for but never before obtained. It is strictly an ever-green, retaining its color until fully ripe. On sight, its distinct dark green and spineless skin attracts the attention and admiration of every one interested. Its fruit sets early, and its vigorous vines abound in long, straight, handsome fruits of most desirable qualities. The flesh being peculiarly crisp and tender, and the flavor delicate, highly recommend it as a slicer. The young fruit being dark green, straight and tender, makes an excellent pickle, and when ripe none excel it for making sweet pickles. Pkt. 10c, 3 for 25c.

SCARLET KASHMYR TURNIP.

This new, extra early, bright scarlet turnip has a striking resemblance to a large radish, being as round and uniform in shape. The flesh is as white and crisp as a radish, and of most excellent cooking qualities. It matures almost as quickly as the earliest radish, being far ahead in this respect of any other turnip, and when cooked is of unsurpassed quality. Also a good keeper, and with its beautiful scarlet color, early maturity and fine quality, it is entitled to a place

**NEW ROSE TURNIP RADISH.****NEW EMERALD CUCUMBER.**

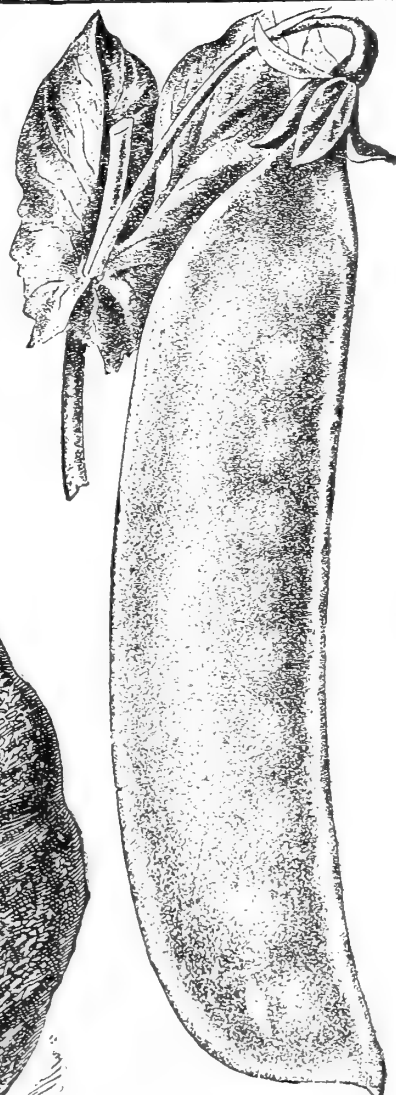
among our garden favorites, and will please every one who give it a trial. Per pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

NEW ROSE TURNIP RADISH.

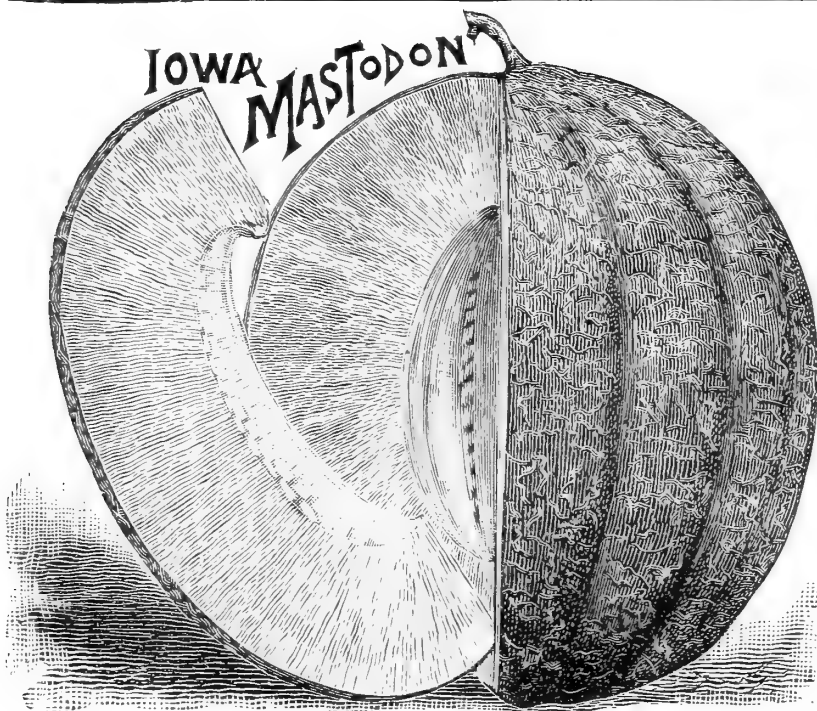
There is a greater variety of color in radishes than in any other root crop grown, but a rose-color is, indeed, an acquisition. This is one of the best radishes we have ever seen, is novel, useful and beautiful. It is similar to the round, forcing varieties in shape and size, and has every feature of good selection, such as a small, compact top and a miniature root. It is very early requiring only twenty-three days to mature it, and remains in good condition for ten days, even in a trying season. But, undoubtedly, its chief charm is in its color, which is a soft rosy pink. A most attractive radish in the bunch, and on the table. Per pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

CHINA GLOBE RADISH.

An exceedingly handsome new variety which will prove to be popular. It is of medium size, bright scarlet color and globe shape. It grows very rapidly being almost as early as the early forcing sorts and it holds its size and superior quality throughout the summer. The flesh is pure white, crisp, brittle and of a most agreeable flavor. When sown later they make an excellent winter sort and keep well. Crop of seed very short this year. Per pkt. 10c, oz. 20c.

**GIANT GRAY SUGAR PEA.****SCARLET EGG PLANT.**

Closely resembling the edible purple Egg Plant in growth of plant and shape of fruit, and well worthy of growing because of the handsome and unique color.

IOWA
MASTODON**APPLE PIE MELON.**

A novelty which will be appreciated in many sections of the country and especially so during seasons when apples are scarce or high in price. They are easily grown on any good soil, but like it rich. The vine is vigorous growing and produces 4 to 8 large, oblong fruits weighing 20 to 50 lbs. each, of dark green color, and greatly resembling watermelons. The flesh is white, solid throughout and of excellent quality for making pies, sauce, preserves, etc., greatly resembling apples in taste. They will keep all winter in a dry, frost-proof cellar and can be used at any time. The cheapness of the fruit will be appreciated when it is understood that one vine will produce 200 lbs. or equal to about four bushels of apples. Don't fail to try them. Per packet of 10 seeds 10c.

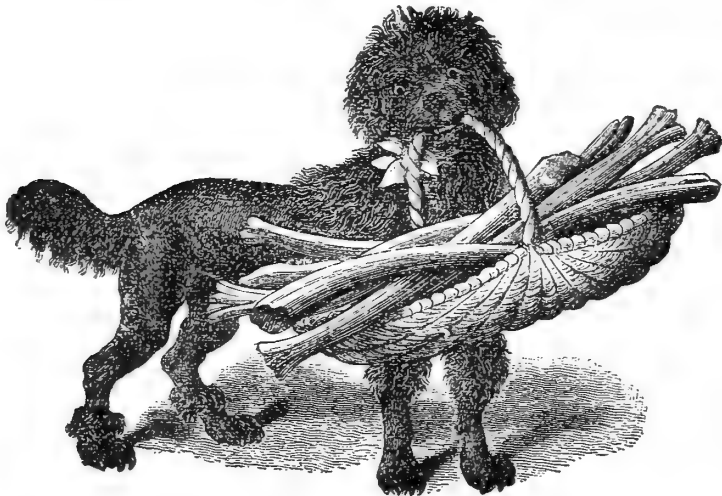
ORANGE WATERMELON.

Everyone knows what a bother watermelon rinds are on the table, and were it not for this trouble, the watermelon would be still more popular as a desert fruit. This difficulty is now overcome, and the Orange will make the handsomest ornament ever set on the festive board, and will attract universal attention. The great peculiarity of this melon is that the rind naturally separates from the flesh when ripe, and with the slight use of a knife between the segments, can be removed like the rind of an orange, leaving a most beautiful fruit for the center of the table. The illustration shown herewith was made from an average size twelve pound melon and well shows the shape and peculiar manner of separation. Quality is excellent, tender, juicy and sweet. We want everyone to try it, therefore have made prices low. Per pkt. 5c, oz. 15c. $\frac{1}{4}$ lb. 50c, lb. \$1.50.

NEW MIGNONETTE LETTUCE.

A most unique and attractive new sort. The entire plant measures only seven inches in diameter, and is more solid and compact than any other existing variety. The outer leaves are few, and these cling so closely to the head that it is almost true to say it is all head. The small surface of the leaves which are separated from the head is deeply crumpled as in a Savoy cabbage, and richly colored with russet red and bronze green of varying shades.

The plant is distinct, not only in its solidity but also in color. The heart is a charming combination of a creamy yellow waved with pale greenish white. It is very hardy, resisting drouth and excessive moisture with equal success—a most valuable feature in our climate. It is fit for use early, which, combined with its long standing character, constitutes it an all-seasons variety in the superlative degree. Per pkt, 10c, oz. 35c.



NEW IDEAL MAMMOTH RHUBARB,

IOWA MASTODON MELON.

The most extraordinary new variety which has been offered for many years, will create a sensation wherever seen—and we control the entire stock, so that you cannot purchase it elsewhere this year. It is from Japan, and just a few seeds were sent to a friend over in this country. This friend knew of our interest in novelties and brought in specimens of the melon. One weighed 23½ pounds and the other 25 pounds. We at once secured the entire crop, although but a few vines. The melons are of monstrous size, and greatly resemble the common Yankee Field pumpkin; so nearly in fact, as to even deceive us at first sight. The flesh is a clear, creamy white, fully 3½ inches thick and of excellent flavor; it is tender and sweet up to the rind, which is thin and tough. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

ROGERS' LIMA WAX BEAN.

A decided novelty. Its bright, glossy foliage and bloom resemble Dwarf Lima. The pods are the broadest of all wax beans, of most excellent quality as Snaps, and retain their bright and attractive appearance a long time after picking. Has a delicious Lima flavor. Pkt. 5c, $\frac{1}{2}$ pt, 20c, qt. 65c.

ASTRO CUCUMBER.

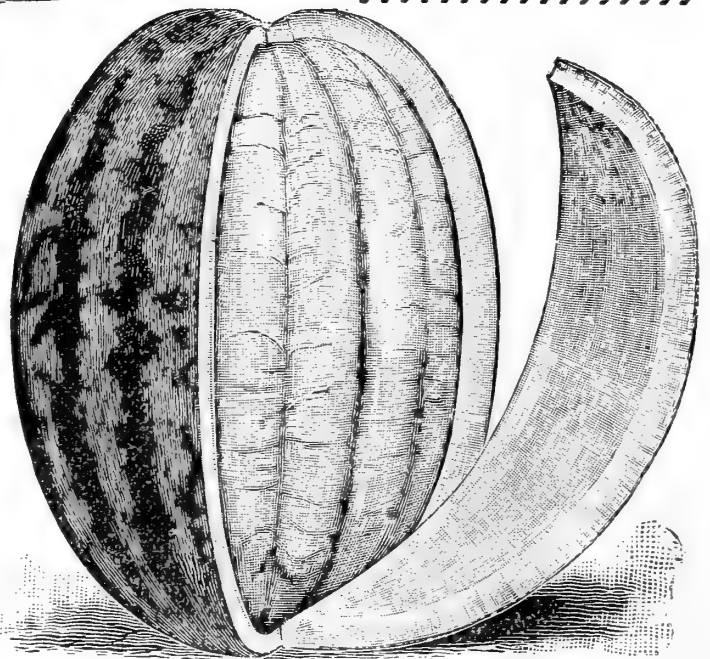
A novelty of the highest merit, and one which has greatly pleased our market garden customers, some claiming that they made more money from a crop of these grown early in the hot beds than from any other crop, as they sell quickly at \$1.00 per dozen. They do excellently well under glass, yielding a continual daily picking of large, perfect shaped fruits, eight to twelve inches long, almost solid throughout. Excellent for slicing, solid and crisp. With outdoor culture in the summer, it produces large cucumbers fifteen to eighteen inches in length with very few seeds. Seed will always be expensive, as it produces only eight to twelve pounds to the acre, while the White Spine and the other common sorts produce 200 to 500 pounds. In packets only, containing twenty seeds each. Per pkt. 10c, 6 for 50c.



DON'T FAIL TO TRY THE

**Wonderful
IDAHO PEAS.**

The greatest novelty of the season. Distinct and different in every respect from anything ever before sent out. You must have at least a trial packet. See description on page 29. Price per pkt. 10c, oz. 15c.



ORANGE WATERMELON.

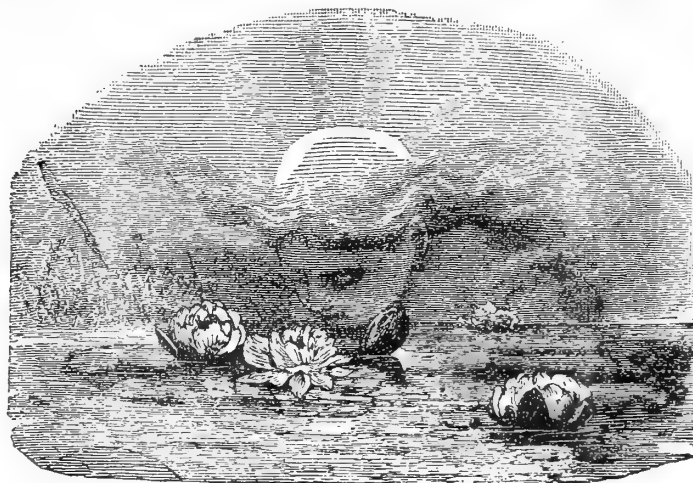
It is very hardy, resisting drouth and excessive moisture with equal success—a most valuable feature in our climate. It is fit for use early, which, combined with its long standing character, constitutes it an all-seasons variety in the superlative degree. Per pkt, 10c, oz. 35c.

NEW IDEAL MAMMOTH RHUBARB.

The rhubarb (or pie plant) is a vegetable which it is difficult to improve and it takes many years to fully establish a new variety. About twenty-five years ago Dr. Kennicott, of Illinois, in growing roots from seed found one which was so far superior to and different from all others that he saved it carefully, and the root has been divided and propagated from year to year until finally we purchased the stock. Like all other highly improved sorts it seeds very sparingly, and comes more nearly true to name when grown from seed than most other sorts. The stalks are fully as large, if not larger, than the Victoria, and are produced in greater abundance. We have no hesitancy in calling it the most vigorous and productive variety known. Quality is unsurpassed. Per pkt. 10c, oz. 25c

AFRICAN WATER LILIES.

Nothing in the floral world has created so much interest among lovers of rare plants as these gorgeous red, white and blue Water Lilies, and when it becomes generally known how easily they can be grown everybody who loves choice flowers and can have a tank or tub of water will have them. Although they are natives of tropical Africa, they can be easily grown in the open air in any part of the United States, flowering freely for several months the first year from seeds. We send full directions for starting seed and growing plants with each packet. They are easily grown and bloom in three or four months from time of sowing seed. For persons who have no pond, half a barrel sunk in the ground is a nice receptacle to grow them in. We can furnish either the red, white or blue varieties at 10 cts. per pkt. One packet each of the three colors for 25c



WATER LILIES.

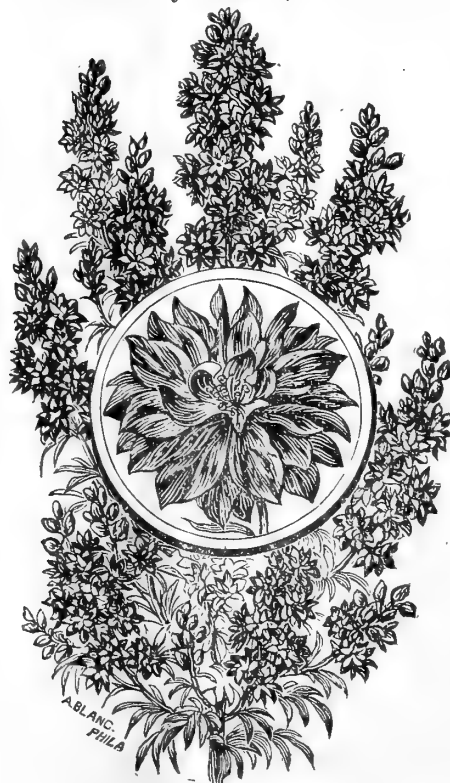
NEW IMPERIAL JAPANESE MORNING GLORIES.

Remarkable for the large size and exquisite new colors of the flowers, with magnificent foliage, often beautifully blotched. Of strong, robust growth, the vines grow quickly to a height of twelve to twenty feet. The flowers are of gigantic size sometimes measuring 4 to 5 inches across. The colors of the flowers, shadings and markings are really wonders of nature, of such incomparable beauty that descriptions are inadequate. Some flowers are of deep, rich velvety tones, others more daintily tinted and shaded than an artist's brush could portray. The colors range through reds from soft rose to crimson, bronze and garnet maroon; from daintiest light blue to ultramarine and indigo and blackish purple; from snow white to cream and silvery gray; some are striped, starred and spotted. Pinch back the vines so as to let them grow only 4 to 6 feet high and they will produce more flowers.

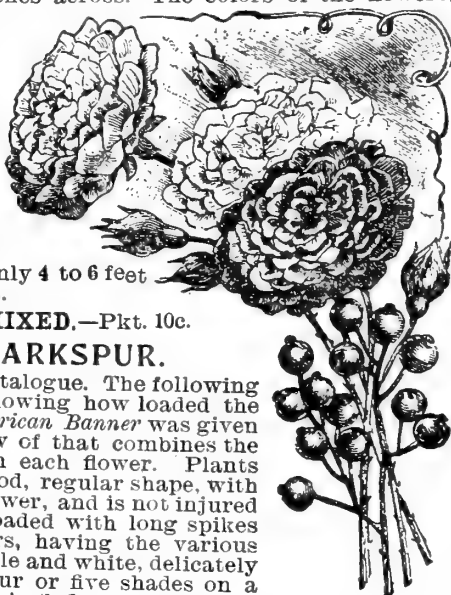
CHOICEST DOUBLE AND SINGLE MIXED.—Pkt. 10c.

AMERICAN BANNER LARKSPUR.

The handsomest flower in the entire catalogue. The following illustration represents a single stem, showing how loaded the plants are with flowers. The name *American Banner* was given it because it is the only flower we know of that combines the national colors, red, white and blue, in each flower. Plants grow to a height of about two feet, of good, regular shape, with delicate, fern-like foliage, a vigorous grower, and is not injured by dry weather. The plants are fairly loaded with long spikes of double, striped and blotched flowers, having the various shades of pink, carmine, dark blue, purple and white, delicately and beautifully blended, sometimes four or five shades on a single floret. Pkt. 10c



AMERICAN BANNER LARKSPUR.



FAIRY ROSE.

LILIPUT MARIGOLD.—Novelty 1898.—A little beauty and the finest of all the dwarf double flowering sorts. Blooms freely and is "pretty as a picture" as a bedding plant. Pkt. 10c.

GOLDEN BALL ASTER.

The long sought novelty—a yellow aster—has finally been produced and will be warmly welcomed by all flower lovers. The double flower is of the brightest sulphur yellow. Per pkt. 10c.

BLUE BELLS.

Who has not heard of the "Bonny Blue Bells of Scotland," which have been renowned in poetry and song for centuries past. We have tried for several years past to obtain sufficient seed so that we could offer them to our customers. In the colored illustration the artist has tried to bring out the beauty of the flower, but it was impossible to do it justice. The flowers are bell-shaped and of a bright sky-blue color, from 4 to 10 flowers in a cluster. Might almost be called a Blue Lily of the Valley. It is a perfectly hardy perennial. Pkt. 15c. Plants 15c each.

BLUE SOLANUM.

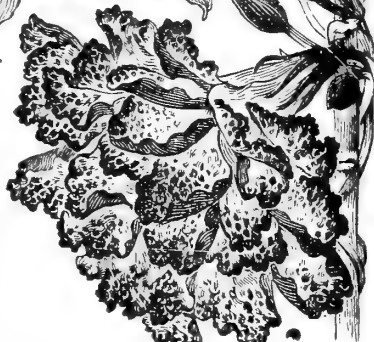
A most beautiful perennial vine of rapid growth. The handsomely cut foliage makes a beautiful shade for porch or arbor and is also desirable to train along fences, etc. It is covered during the summer months with hundreds of clusters of blue flowers, brightly set off with golden stamens, clusters measuring 15 inches in circumference, and often attaining a length of twelve inches. It is a superior plant of ironclad hardiness. The flowers are succeeded by bright scarlet berries. When you consider its handsome foliage, beautiful flowers and berries and hardiness it is difficult to find a more satisfactory climber. Pkt. 10c. Strong one-year-old plants of above 25c each. Dozen \$2



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FAIRY ROSES.

These little beauties are very easily grown from seed. The roses are only about an inch across, usually very double, but occasionally semi-double, and seldom single; they are borne in large clusters and are of many colors. What is most remarkable these Fairy roses grow only 10 to 15 inches high and commence blooming in a few weeks after the seed is sown, and continue year after year in uninterrupted profusion from May until frost. They also make nice pot plants for winter blooming. Pkt. 10c.

**NEW PINK MARGUERITE CENTAUREA.**

One of our own novelties which we introduced to our customers last year, and one of the handsomest flowers that we had ever seen. Produces most exquisite flowers of a beautiful shell pink color. Plant is about 15 inches in height and of the easiest culture, blooming freely from seed in a few weeks. The large flowers are deliciously scented, delicately lacinated and produced profusely on long stems which render them valuable for cutting. It is of most unique beauty. Per pkt. 10c.



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PINK MARGUERITE CENTAUREA.

ELEGANT PALMS.

These have for centuries been considered exclusively for the rich, the plants usually selling at \$3.00 to \$100.00 each, and in some cases fine plants of the rarer sorts have brought as high as \$1,500.00 each. It is now known, however, that they are easily grown from seed, and we have secured a large lot of nice fresh seed for our customers so that we can furnish it at such a low price that everyone could supply themselves with these beautiful and elegant plants. Directions for growing printed on the packet.

LATANIA BORBONICA.—This is the typical palm, and is more largely used than any other. Its strong healthy habit commends it to all, and gives a fitness for window and room culture not possessed in the same degree perhaps by any other. It is the *Chinese Fan Palm* from which the palm leaf fans of commerce are made. Per pkt. of 6 seeds 10c.

CHAMEROPS EXCELSA. From southern China and Japan. Very hardy. One of the very best palms for house culture in cool climates, forming a fine specimen, standing ill usage remarkably well. Very handsome palmate leaves. Per pkt. of 10 seeds 10c.

PHENIX DACTYLIFERA.—A native of northern Africa. This is the palm from which the date of commerce is obtained. Exceedingly beautiful for pot culture and very hardy. Per pkt. of 10 seeds 10c.

WASHINGTONIA FILIFERA.—This is one of the very best window palms, needing no petting to succeed. Stands dust, dry air, and lack of sunshine, and is very ornamental with its elegant fan-shaped leaves of a rich, dark, leathery green. Picturesquely fringed with long, thread-like filaments along the segments of the leaves. The plant is a compact grower, well adapted to pot culture, succeeding in any situation, and with any treatment that will keep a geranium alive. Per

BANANA PALM.—(*Musa Ensete*.) One of the grandest and most picturesque of the banana family. As a solitary plant or in groups on the lawn, it has a majestic tropical effect. The leaves are very long and broad, of a beautiful green with crimson midrib in striking contrast. An occasional application of liquid manure and frequent watering are necessary. The rapidity of its growth is astonishing. Per pkt. of 3 seeds 10c.

UMBRELLA PALM. (*Cyperus*.) See description on page 33. Per pkt. of 100 seeds 10c.

A GRAND OFFER.—One pkt. each of the above six varieties for 40c. We furnish plants of the Latania Palm at 25c each, postpaid. Larger plants \$1.00 to \$5.00, each by express, not prepaid.

Beautiful Wild Rose.

Iowa's State flower. When properly cultivated makes a handsome shaped bush, covered with beautiful buds and flowers and afterwards with bright red seed balls. Pkt. 10c.

NEW MAMMOTH HELIOTROPE.

No illustration can give an adequate idea of the immense size and rare beauty of the flower-heads of this most wonderful new Heliotrope. They range through all shades of violet and blue to deep indigo, frequently producing flower-heads almost white, which are more than twice the size of the old varieties, many of the heads measuring (when fully expanded) 10 to 12 inches across. The fragrance is simply lovely. Easily grown from seed which should be started early in the house, and from a single packet a large number of strong, healthy plants are produced which would cost 10 to 25c each at the florists. This superb new variety is a strong grower, producing a constant succession of immense heads of flowers, Per pkt. of 100 seeds 10c.



NEW MAMMOTH FLOWERING HELIOTROPE

MADAM GUNTHER'S HYBRID NASTURTIUMS.

For richness and variety of colors these new hybrids have no equals among nasturtiums. The foliage is mostly dark, contrasts very effectively with the flowers. They are climbers and are free continuous bloomers. Color of flowers is most gorgeous, ranging from white through all shades of pink, red, carmine, crimson, salmon, golden yellow to the deepest brown and maroon—nearly black all striped, shaded and blotched in an indescribable manner. Per pkt. 10c.

NEW BRANCHING ASTER.

One of the best floral novelties and one which every flower lover should try. The flowers are borne on very long stems and are of extraordinary size, being four inches or more in diameter. Mixed colors. Per pkt. 10c.



MADAM GUNTHER'S HYBRID NASTURTIUMS.

ROYAL MIXED ASTER.

The Aster is a specialty with us and we consider it one of the most satisfactory flowers for general cultivation. There are many hundreds of varieties, but we consider it unnecessary to list them all. Our Royal Mixture consists of all the best varieties from all parts of the world, which are suitable for growing together. You will surely be pleased with it. Per pkt. of 100 seeds 10c.

EARLY DAWN COSMOS.

Introduced by us two years ago and it jumped at once into popularity on account of its extreme earliness, coming into bloom in about two months from time of sowing and continuing until destroyed by frost. The flowers are a little smaller than the late kind. The plants have fine, feathery, light green foliage and delicate rose, purple, white and lilac flowers, which are produced on long stems and are very desirable for bouquets, as they will last a week after cutting. Well worthy of a trial by all who wish a free blooming plant of the easiest culture. Mixed colors, pkt. 10c.

GOLDEN MACHET MIGNONETTE.

This charming novelty is identical with the Matchet variety except that it is of a beautiful golden yellow color. Pkt. 5c.

NEW SWEET PEAS.

DAYBREAK.—In color it has a white ground and on the reverse of the standard is a crimson scarlet cloud, which shows through in the fine veins and network, giving the center of the front of the flower a watered effect, the outer margins being white. The wings are slightly flaked with crimson. Per pkt. 10c.

ODDITY.—Has a peculiar irregularity of form in the flowers; the standards are inclined to curl considerably. Another distinct feature is that the stems are unusually heavy and strong; they generally bear four flowers on each. In color the flowers are a pale carmine edged with bright rose, giving it the appearance somewhat of a red-edged variety. It is a remarkably strong grower and with its heavy stem, curly standard, and peculiar coloring, with a sort of netted surface, is certainly attractive. Per pkt. 10c.

PINK CUPID.—A lovely little novelty for 1898. It is dwarf, growing only 6 to 8 inches high spreading into a plant 15 to 18 inches wide and bearing hundreds of beautiful rose pink flowers on long stems. Sold only in originator's packets of 24 seeds Price 25c



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ILLUMINATION CHRYSANTHEMUM.

DOUBLE NEW LIFE GERANIUM.

The greatest novelty in the plant line. The sensation which the Single New Life Geranium created when introduced in England is well remembered. *The Double New Life*, as may be judged from our very faithful illustration is a much greater sensational departure in every way. The outer florets are large, of a brilliant red. In the center of these appears another semi-double floret, a pure white in color, effecting a very charming contrast, difficult to realize unless seen, and having the appearance of being produced artificially. This very novel Geranium was lately sent out in England by subscription at a fabulous price. See illustration in colors on cover of our catalogue and don't fail to have it if you like rare beautiful flowers. Each 25c. \$2.00 per doz.

INDIA RUBBER TREE.

The large, shining, green leaves endure the dry air of a living room as well or better than any other plant; this is why everybody likes it. Each 60c.

ASPARAGUS PLUMOSUS NANUS.

One of the handsomest of our foliage plants for pot culture, beautiful the year round, and there is no more decorative plant in the entire list. Easily grown even in a north window. The leaves are a bright green, are gracefully arched and are as finely woven as the finest silken mesh; their lasting qualities, when cut, are remarkable, retaining their freshness for weeks, hence it ranks as the most valuable plant we have for this purpose, surpassing Maiden Hair Ferns in grace, fineness of texture and richness of color. Price, strong plants, 25c each.

SOLANUM JASMINOIDES GRANDIFLORUM.

Another beautiful plant which is illustrated on cover of this catalogue. It is of trailing or climbing habit, but if desired can be cut back to a bush form. It has star-shaped flowers borne in large clusters or panicles frequently a foot across. They are in color a pure white with violet tinge on the back; equally a good bloomer in summer and winter, and is wonderfully effective when planted to cover a low wall or trellis, showing hundreds of fine panicles of bloom. Each 15c.

"CHANCE" SALVIA.

This most charming new variety is a sport from the scarlet flowering *Salvia Splendens*. The flowers are beautifully striped and mottled with scarlet and white making it very striking and showy, both in the garden and in bouquets. The leaves are also variegated light and dark green. Plant grows in the form of a compact bush about two feet high and blooms profusely throughout the summer, in fact the plant is almost covered with bloom constantly. *Salvias* are the people's flower and should be planted by every body as they are of the easiest culture, thrive everywhere, are constantly in bloom and therefore very desirable for bedding. Set out a few plants of the "Chance" *Salvia*, and nothing in your garden will attract more attention. Also makes a beautiful plant when grown in pots. Each 15c, \$1.40 per dozen.

NEW GOLDEN LEAVED SALVIA.

This new variety is destined to become popular. It is a sport from the well known scarlet *Salvia Splendens*, differing from that variety in having golden yellow foliage. Its golden yellow foliage and brilliant scarlet flowers make it one of the most attractive plants we know of for bedding. Try it. Each 15c.

ILLUMINATION CHRYSANTHEMUM.

A grand new variety of most robust, sturdy growth, and claimed to be the best white yet introduced. Plant is erect, about 2 to 2½ feet high, branching so as to make a perfect shaped bush, covered with a great number of beautiful snow-white flowers which are so full and deep as to be almost perfect balls. Our illustration shows form of flowers and petals. It blooms at mid-season and is of excellent substance and therefore keeps well both on the plant and after cutting. Everyone who loves flowers should have one of these magnificent new plants. Each 20c.

IMPERIAL LANTANAS.

These might well be called bush or shrub *Verbenas* as they have a flower somewhat resembling the *Verbena*, borne on a woody, bush shaped plant. Its brilliant colors, robust growth, and profuse blooming habits render it one of the finest bedding plants that grow. The flowers embrace all of the most delicate shades of orange, sulphur, lilac, red, pink, white, etc., changing from one distinct color to another, as they increase in age and development. The ever changing colors make the plant of special interest, and a few specimens will add greatly to the attractiveness of any bed. They do well when grown in pots and may be trained in almost any desired form. They are easily wintered in any light, dry cellar. Our collection contains all the best varieties and we have made the price very low so that all could try them. Each 10c, six plants all different for 50c.

HAWKEYE GIANT COLEUS.

Our colored illustration gives but a faint idea of the surpassing beauty of this new coleus. It is a seedling of ours which has attracted much attention in the greenhouse and on the seed farm, and brought out many exclamations of wonder from our customers. The leaves are of immense size. They are beautifully curled and serrated and the color is royally rich and brilliant. Each 10c, dozen 75c.

PARROT'S FEATHER.

An aquatic hanging plant is a novelty indeed, and we have it to perfection in this dainty little jewel. Its long trailing stems are clothed with whorls of the most exquisite foliage, as finely cut as the leaves of the Cypress Vine, but more delicate. Planted in water-tight hanging basket, will trail finely. Each 15c.

CALIFORNIA VIOLET.

The plant is a robust grower with dense, heavy foliage, entirely free from disease. Flowers large, single, intensely fragrant. Color, a clear, violet purple that does not fade. The flowers are very large and borne on stems ten to twelve inches long, giving them unusual value for cut flowers. Each 10c.



DOUBLE NEW LIFE GERANIUM.

Letters From NEW ZEALAND

We receive thousands of testimonials from our customers in all parts of this country and could fill this book with them if necessary. To show how people in other countries like our seeds we publish the following letters which were sent to us voluntarily:

Seeds received from you are in every way satisfactory. Quite a number here intend ordering next year.

E. B. HILL, Raglan, N. Z.
Seeds purchased from you did very well. The cabbage were the best that I ever had.

JAS. McCracken, Te Mata, N. Z.

The seeds received from you did very well. I never had such vegetable seed before. The cabbage especially was first-class.

MRS. W. GIBBISON, Kauroa, N. Z.

I am much pleased with your seeds.

A. H. COGSWELL, Waingaro, N. Z.

Your Short Stem Drumhead cabbage grew to a weight of from 16 to 22 pounds each without the aid of manure.

ROBERT VERNON, Te Mata, N. Z.

The seeds ordered from you last year gave great satisfaction in every respect. Your Snowball Cauliflower is superior to anything heretofore grown.

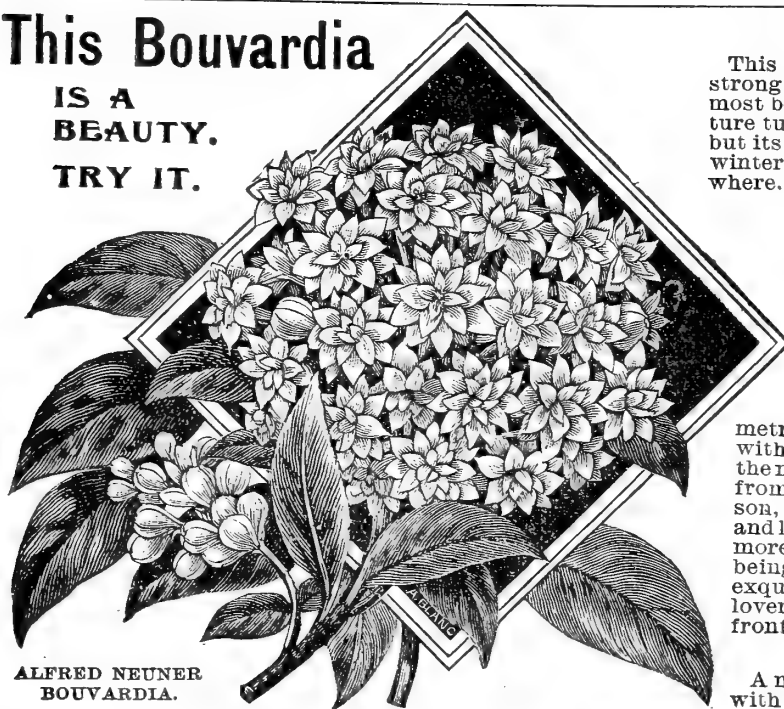
ERNEST C. MOON, Te Uku, N. Z.



CHANCE SALVIA.

This Bouvardia

IS A
BEAUTY.
TRY IT.



ALFRED NEUNER
BOUVARDIA.

RUDBECKIA, "GOLDEN GLOW."

A glorious new hardy herbaceous plant, and one that should find a place in every garden. It is of fine habit, vigorous growth, with early, continuous and immense blooming qualities. It will be found excellent also for cut flower purposes. The stems are long and gracefully poised; the foliage is abundant and ornamental. It attains a height of from six to eight feet, and a small plant set out in the spring will produce hundreds of blossoms during August and September, each one as large as a fair-sized Chrysanthemum. Price 15c.

Cemetery Plant Collection

This collection is prepared expressly for planting in the cemetery, and will produce a constant show of white flowers throughout the summer and autumn.

One White Heliotrope, 1 Double Feverfew, 1 Lily of the Valley, 1 Forget-Me-Not, 1 Double White Geranium, 1 Achillea Alba, 1 Sweet Alyssum, 1 Myrtle. Total, 8 plants, 50c.

METEOR ROSE.

A rich, dark, velvety crimson, ever-blooming rose, as fine in color as the best of the Hybrid Perpetuals; the flowers are of good size, very double and perfect in shape, either as a bud or when fully opened; the plant is vigorous and remarkably free flowering. A splendid sort for pot culture, and the best of all the Hybrid Teas as a bedding variety for summer cut flowers, as it retains its color well, even in the hottest weather. See illustration on back cover of this catalogue. It is the rose for everybody. Each 15c, dozen \$1.25.

RAINBOW ROSE.

An elegant striped Tea rose of strong healthy growth and exceedingly free flowering habit. The buds are large on strong stiff stems. Color is a lovely shade of pink, striped and mottled in a most unique manner with intense crimson, and elegantly colored with rich golden amber at center and base of petals. It makes beautiful buds, and the flowers are extra large, very sweet, and of great depth and substance. A most charming variety. Each 15c.



UMBRELLA
PALM.

UMBRELLA PALM.

(Cyperus.)

An ornamental and very striking plant as shown by the cut. It throws up slender, round stems from two to three feet high, surmounted at the top by a whorl of flat, ribbon-like leaves, diverging horizontally, giving the plant a very curious appearance. This curious effect is still further heightened when the odd, golden-green, tassel-like flowers appear on the top of the whorls, as shown in the cut. It is a splendid decorative plant, being as ornamental as a palm or fern, and above all, it is as easily grown as the commonest weed. As it will thrive in shade as well as sun, it is an excellent plant for the dining room table; or as a water plant in very moist spots or for aquariums or fountains. When treated as a pot plant it should have an abundance of water. We sell thousands of these plants to our local customers and they are always satisfactory. Nice plants, 15c each

ALFRED NEUNER BOUVARDIA.

This magnificent and showy plant is the ideal Bouvardia. It is a stout, erect, strong grower, making charming shaped plants, producing great clusters of the most beautiful, waxy, double pure white flowers, resembling bunches of miniature tuberoses. It blooms well during the summer beginning early in July, but its greatest value is for winter flowering. Some consider it the best of all winter blooming plants. They are quite rare and will attract attention anywhere. Each 20c.

BEAUTIFUL WILD ROSE.

The wild, wild rose, whose fragrance dear
To every breeze is flung,
The same wild rose that blossomed here
When Iowa was young.—Byers.

Last winter the state legislature adopted the wild rose as the "State Flower of Iowa," and it is indeed a charming flower. It has heretofore been little thought of because like Golden Rod it was common in the fields. Last spring we transplanted a few plants to the garden giving them good culture and were greatly surprised to see what symmetrical nice shaped little bushes they made, and they were fairly covered with beautiful flowers. The buds are nicely pointed and a cluster of them makes an elegant corsage bouquet. The flowers are of many shades from pure satiny white through all shades of rose and pink to a deep crimson, and some of them are beautifully striped and penciled; quite fragrant and lasting. Cultivation seems to change its habit of growth and it makes a more sturdy, upright growth, and would look well for a hedge, the foliage being handsome when plant is not in bloom. Everyone who enjoys the exquisitely beautiful should set out a few plants, and especially those flower lovers who live in this state. Be patriotic. See illustration in colors on front cover. Strong plants 15c each, four for 50c. Seed, per pkt. 10c.

ROYAL PURPLE STROBILANTHE.

A new house and bedding plant. It forms a compact bush 18 inches high, with leaves 6 to 9 inches long, 3 to 4 inches wide, and of the most intense metallic purple color, shading into light rose. Nothing can equal it. Each 15c.

ECLIPSE ABUTILON.

A most charming, trailing variety, well shown by our illustration. The foliage is elegantly penciled, marked with dark green and yellow; a fine contrast, while the pendulous bell-shaped flowers are bright yellow with crimson throat. An excellent plant for vases and hanging baskets as well as for rockeries. Each 15c.

SOUVENIR DE BONN ABUTILON.

A most striking decorative foliage plant, with beautiful variegated leaves of good size, regularly and evenly marked with white and green. Amid these leaves the graceful drooping, orange-colored flowers are produced in great abundance, forming a clear and brilliant contrast. Each 15c.

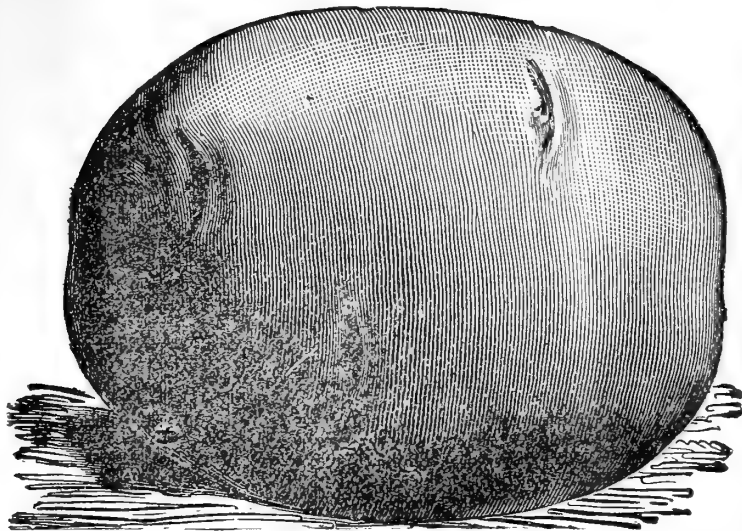


ECLIPSE ABUTILON.



RAINBOW
ROSE.

SEED POTATOES.



PARSON'S PROLIFIC.

PARSON'S PROLIFIC.—Introduced by us in 1882, and by far the best main crop potato in cultivation for Iowa growers. They are a very nice, smooth, white potato, slightly russeted and with eyes almost even with the surface. They run unusually even in size, there being but few small ones and no overgrown large potatoes. It is the potato for main crop, and it will pay you to plant some of them this year. Pk. 50c, bu. \$1.25, bbl. \$3.00.

GREAT DIVIDE.—A grand new variety. The most robust growing, largest yielding, longest keeping, and best shipping main crop, long white potato in America. In fact, it is a peer of the Burbank in its palmy days, while it is adapted to a greater variety of soils and climates. Our stock of this excellent variety is exceptionally fine. Remember, all our stock is true to name grown for us by the originator. Per pk. 60c, bu. \$1.75, bbl. \$4.00.

MILLS' PRIZE.—One of the largest potato growers in this state is now devoting most of his land to this variety claiming that it is the largest yielder of any and he can sell it in competition with the Colorado grown, as quality is so superior. Cooks quickly. Per pk. 50c, bu. \$1.50, bbl. \$3.50.

FREEMAN.—The tuber is oval in shape and russet in color; flesh is very white, both raw and when cooked. From the time they are as large as hen's eggs until new potatoes come in the next year they burst open when boiled with their jackets on, appearing snow white and floury. Has matured in 39 days from time of planting. A good yielder. Per pk. 50c, bu. \$1.50, bbl. \$3.50.

EARLY BEAUTY OF HEBRON.—A standard early sort. Per pk. 50c, bu. \$1.25, bbl. \$3.00.

BONANZA.—One of the leading varieties for main crop. The tubers are large, oblong, somewhat flattened, skin smooth, flesh firm, white and fine grained. Productive and of superior quality. Per pk. 50c, bu. \$1.25, bbl. \$3.00.

RURAL NEW YORKER, No. 2.—Originated on the experimental grounds of the *Rural New Yorker*, where more than 500 varieties have been tested, and it proved the largest yielder of any. Large and unusually smooth, with few and shallow eyes; skin is white, as is the flesh, which is of superior quality. Medium late and best drouth resister. Per pk. 50c, bu. \$1.25, bbl. \$3.00.

With no other seed is the importance of change more essential than with the potato. By using our northern grown seed you are assured of early maturity, increased yield and a vigorous growth. Our stock, as usual, has been grown from selected seed, and expressly for seed purposes. Order as early as possible, stating whether you desire them shipped by express or freight, and we will ship as soon as the weather permits. We will ship at any time, when requested to do so, regardless of the weather, but customers in this case must take the risk. Prices are subject to any important market changes. At prices named we make no charge for boxes, barrels or drayage. **POUND PRICES.**—All varieties 30c per lb., 3 lbs. for 75c, postpaid.

EXTRA EARLY OHIO.—(Fancy Northern Grown Stock.) For several years past we have been having these grown in the noted Red River valley, about 450 miles north of Des Moines, and careful tests have proven them to be fully ten days earlier than our Iowa grown stock. This is a great advantage to the gardener and puts this variety at the head of the list of extra earlies. They are all of good average size, strictly pure, smooth, and entirely free from scab and rot. In our tests they are positively the earliest to mature their entire crop of any variety we have ever had, and outyield other early sorts about two to one. It is a special favorite with marketmen, and the most profitable potato they can possibly grow. The sprout is very strong and the vines grow erect, making it easy to cultivate, and on account of its early maturity you can get the highest prices and have the land for other crops. The tubers grow compact in the hill, are easily dug, very few small ones, nearly every one being of marketable size; they keep firm until late in the spring. One grower reports that for several years past the

yield has been from 300 to 500 bushels per acre. This is our specialty in standard varieties. Don't plant Iowa grown stock when you can obtain these. Per pk. 50c, bu. \$1.35, bbl. \$3.25.

EARLY OHIO.—Grown in Iowa. Per pk. 40c, bu. \$1.25, bbl. \$3.00.



EXTRA EARLY OHIO.

MINNESOTA EARLY ROSE.—Superior in earliness and size to the Iowa grown. Per pk. 50c, bu. \$1.25, bbl. \$3.00.

QUEEN OF THE VALLEY.—(Honey Rose.) A heavy yielder of the Aebion class. Of superior table quality. Per pk. 50c, bu. \$1.50, bbl. \$3.50.

HYBRIDIZED POTATO SEED.—We have a quantity of very choice potato seed from the flower ball (the true seed) which we are pleased to offer our customers this year. It is from such seed that all the choice new varieties of potatoes are originated, and there is much interest in growing them. Sow in fairly rich soil. The second year they develop their characteristics. Per pkt. 10c, 3 pkts. for 25c, postpaid.

COLLECTION.—One pound of each of the eleven varieties for \$1.00 by express, purchaser to pay charges.

SEED SWEET POTATOES.

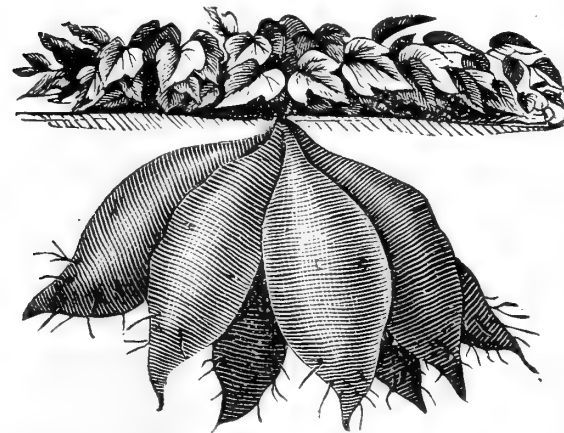
For twenty years past our firm has been known as headquarters in central Iowa for choice seed sweet potatoes. Our stock is grown, stored and handled especially for seed purposes and cannot fail to please all. So perfect is our manner of packing that there is rarely a complaint, although they are usually considered very perishable, by reason of changes in the weather or rough handling, but we cannot guarantee safe delivery. Price subject to market changes. Write for price on large lots. We ship about April 12, usually.

EARLY YELLOW JERSEY.—In spite of the many so-called new varieties, all of which we have tested, the Early Yellow Jersey holds the first place. The earliest, most productive, of short, "chunky" shape, and of the very best quality. Not stringy, Very few small ones. Per pk. 60c, bu. \$1.40, bbl. \$3.00.

RED JERSEY, RED NANSEMOND, WHITE SOUTHERN QUEEN.—We can supply choice seed of these varieties, if ordered by April 5, at 75c per peck, \$2.00 per bu., \$4.50 per bbl.

YELLOW NANSEMOND.—The old standby, by some growers considered equal to the Jersey. Per pk. 60c, bu. \$1.40, bbl. \$3.00.

VINELESS SWEET POTATOES.—A novelty which has proved very popular in some places. Can be planted much closer, do not require the lifting or trimming of vines and



for this reason are more desirable than the older varieties. They are good keepers and excellent quality as a table potato. Don't fail to try them. Write for price of seed and plants in March or April. Present price is 80c per peck, \$2.50 per bushel.

Jos. C. Brown, of LA CROSSE, WIS., says: "The seeds I purchased from the Iowa Seed Co. are the best I ever used. My neighbors who have seen my garden vegetables say they are the best they ever saw and they all want your catalogue."

CONCAVED AND CURVED SEED POTATO KNIFE.

It is thin and of the right shape to cut one, two and three-eye pieces fast and not crack the tuber nor injure the germs. Price 35c, each, postpaid.



FLOWER SEEDS.



I LOVE FLOWERS. DON'T YOU?

Our floral beauties come in for their full share of attention, and in fact we have this year given them more time and space than ever before on our grounds. We have in our employ an experienced specialist in this line, who, under our supervision, attends to growing whatever can be grown to advantage in this country, tests all novelties offered in this country or Europe, and is constantly striving, by selection and hybridization, to improve the leading varieties, and make our choice Iowa flower seeds just what we are striving for—the best in the world. All who truly love the beautiful, and prize all things new and valuable in the floral kingdom, will be interested in the following pages, and also in looking over the flower plant and bulb list.

Our flower seeds are all fresh and we know they are unsurpassed. Quality is always the first consideration. Our mixtures are mainly made up by ourselves from named varieties, or from growing a large number of the best named varieties together, and will yield a better assortment than is commonly found. This year we list all the varieties alphabetically together. Annuals, biennials, perennials, climbers, everlastings and ornamental grasses, but mention in the description the class they belong to if they are not annuals. This will make it easier to find any sort named.

OUR PRICES.—The cost of raising the various sorts of flower seeds varies greatly, from such as mignonette, which we can grow a hundred pounds of at but comparatively only few dollars expense, up to double petunia, which costs us over one hundred dollars per ounce, and some other kinds which are still more expensive. There are but few who care for more than one good sized bed of any sort; therefore we have filled our packets with a sufficient amount and made prices as low as possible, some being only two or three cents each, and we are certain customers will be well pleased with the quantity they contain.

DISCOUNTS.—In spite of our very low prices by the packet we still offer flower seeds in packets only to the amount of \$1.25 for \$1.00. This discount does not apply to collections of seeds nor to seeds by weight or measure.

DIRECTIONS FOR SOWING, ETC.—To insure success the conditions and requirements of the several species as to soil, moisture, heat, etc., should be studied and then observed in culture. Below we give a few general directions for their culture, though more complete directions will be found printed on many of the seed packets.

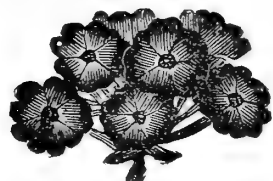
The soil best adapted to most flowers is light, rich loam, containing enough sand to make it porous. If there is some clay with it the colors will be brighter. Make the surface as smooth and fine as possible, sow seeds in rows, covering each sort of seed in proportion to its size (a good general rule being to cover twice the diameter of the seed)

and press the soil down firmly over it. Do not plant any seeds when the ground is wet. Many varieties, such as pansy, verberna, daisy, hollyhock and the fine greenhouse plant seeds, should be sown early in shallow boxes in the house, in soil consisting of equal parts of fine sand and rich, mellow loam, well mixed together and sifted to remove all gravel and lumps. Sow as before directed. Covering the box with glass helps to retain the moisture and keeps the temperature even. Be careful not to keep them too wet, and as soon as they are large enough to handle transplant into boxes from one to two inches apart, where they are to remain until time to transplant to permanent beds. We will always be glad to answer any questions from our customers relative to the cultivation of any kind of plants.

NOVELTIES.—Many desirable novelties will be found described on the colored pages of this book while others are in their regular order in this department. We have this year carefully revised all the descriptions, changing some of them after comparing with the flowers in the field, and we believe no more correct or complete list of desirable sorts can be found in any catalogue.

A NICE LAWN is easily obtained by sowing our Central Park or Evergreen lawn grass seed. It is vastly cheaper than sodding, and you are not bothered with weeds, which are in the sod. See price in grass seed department.

All flower seeds are sent free by mail on receipt of price. We have carefully compared our packets with those of many of the leading seed dealers and are convinced that our packets on an average are better filled than any of them. We are growers and sell flower seeds to many of the largest seedsmen in this country and Europe, and can afford to sell at low prices to our customers.



ABRONIA.

Trailing habit similar to verbenas, bearing clusters of sweet-scented flowers. Effective for bedding in masses, and very desirable for rock work or hanging baskets. In beds sometimes one plant covers a yard square and is full of bloom. Best colors mixed. Pkt. 3c.



ACROCLINIUM.

Elegant summer flowering annuals, forming plants about one foot high, bearing quantities of large double flowers of white, rose, etc., 1 to 2 inches across. Splendid everlastings for winter bouquets. Mixed colors. Pkt. 3c.

AGROSTEMMA.

A very hardy plant introduced from Russia, suitable for border plants.

COELI ROSA.—Perfectly hardy plants, producing pretty, pink-like blossoms on

long slender stems. Very useful for cutting for bouquets, and pretty in masses in beds. Also known as Rose of Heaven. About 1½ feet high. Deep rose color. Pkt. 3c.

ALBA.—White; fine for cemetery. Pkt. 5c.

ARGEMONE. (Prickly Poppy.)

Free blooming; flowers somewhat resemble the poppy. The foliage is large, pretty in form, and of a pleasant light green color. Mixed colors. Pkt. 3c.

ADLUMIA.

(Mountain Fringe.) A beautiful hardy perennial vine, with fern-like foliage of a pale green color, with pretty flesh-colored blossoms. It is also called Alleghany Vine. Pkt. 10c.

ASPERULA.

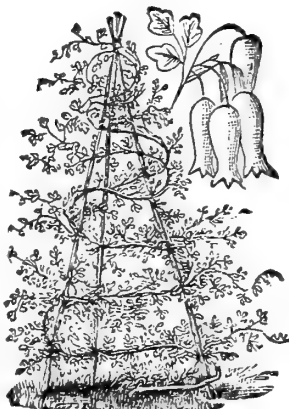
AZUREA SETOSA.—A hardy, dwarf growing, little annual producing an abundance of small, light blue, sweet-scented flowers. Fine for bouquets. Pkt. 5c.

BROWALLIA.

ELATA.—Produces very delicate and handsome flowers in great abundance. Mixed. Pkt. 10c.

BALLOON VINE.

A very pretty, rapid growing climber, succeeding best in a warm situation. Pkt. 5c.



ADLUMIA.



AGERATUM.

AGERATUM.

MEXICANUM.—Very desirable for bouquets; produces a great many blue flowers, and blooms a long time; largely used by florists; start seed early. Pkt. 4c.

ALBIFLORUM.—Like above, only white. Pkt. 5c.

ABUTILON.

A handsome greenhouse plant. Fine mixed. Pkt. 5c.

ADONIS.

ESTIVALIS.—Brilliant scarlet. Blossoms throughout the season. Foliage is graceful and feathery, Height 1 foot. Pkt. 3c.

AMOBIMUM.

ALATUM GRANDIFLORUM.—Very hardy, everlasting, with pretty, double, white flowers. Useful for bouquets. Pkt. 4c.

ANAGALLIS.

Low growing plants with remarkably bright, handsome flowers; mixed varieties. Pkt. 10c.

AQUILEGIA. (Columbine.)

Too much praise cannot be given to these elegant, free flowering, and deservedly popular hardy plants, blooming profusely through the spring into early summer. Hardy perennial.

MIXED VARIETIES.—Pkt. 5c.

WHITE.—Blossoms on Decoration Day. Very desirable for cemetery. Pkt. 10c.

ANTIRRHINUM. (Snapdragon.)

One of the most beautiful and useful border plants, blooming profusely the first season from seed, until after frost. Our mixtures contain all the new and choice colors, including the beautiful striped, variegated and margined.

TALL VARIETIES MIXED.—Pkt. 4c.

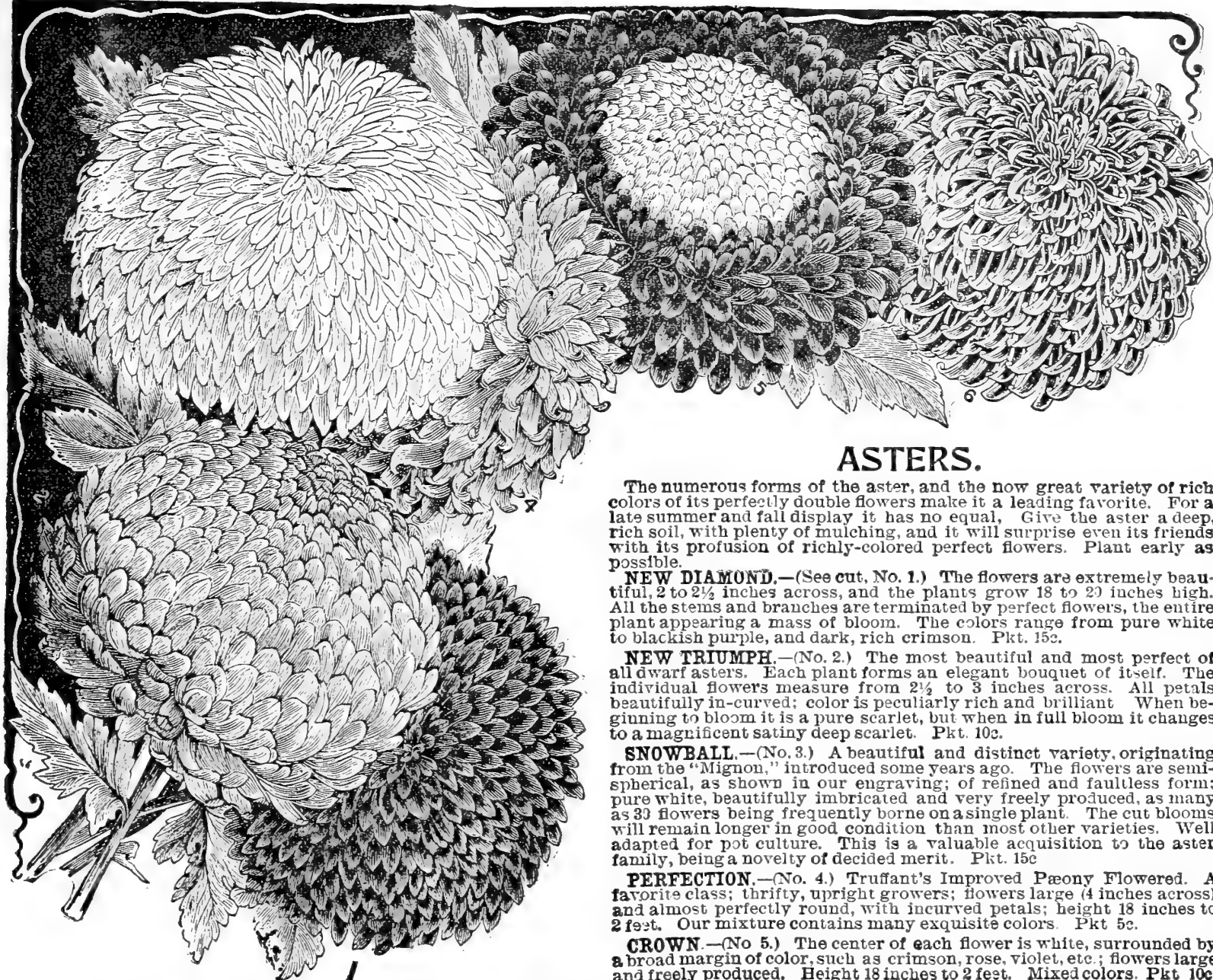
TOM THUMB.—A collection of the most beautiful, very dwarf varieties. Pkt. 5c.

ARABIS.

ALPINA. Among the earliest blooming plants, and very useful for rock work edgings, carpet bedding, etc. Flower pure white. Plant 9 inches high and a hardy perennial. Pkt. 10c.



ANTIRRHINUM



ASTERS.

The numerous forms of the aster, and the now great variety of rich colors of its perfectly double flowers make it a leading favorite. For a late summer and fall display it has no equal. Give the aster a deep, rich soil, with plenty of mulching, and it will surprise even its friends with its profusion of richly-colored perfect flowers. Plant early as possible.

NEW DIAMOND.—(See cut, No. 1.) The flowers are extremely beautiful, 2 to 2½ inches across, and the plants grow 18 to 20 inches high. All the stems and branches are terminated by perfect flowers, the entire plant appearing a mass of bloom. The colors range from pure white to blackish purple, and dark, rich crimson. Pkt. 15c.

NEW TRIUMPH.—(No. 2.) The most beautiful and most perfect of all dwarf asters. Each plant forms an elegant bouquet of itself. The individual flowers measure from 2½ to 3 inches across. All petals beautifully in-curved; color is peculiarly rich and brilliant. When beginning to bloom it is a pure scarlet, but when in full bloom it changes to a magnificent satiny deep scarlet. Pkt. 10c.

SNOWBALL.—(No. 3.) A beautiful and distinct variety, originating from the "Mignon," introduced some years ago. The flowers are semi-spherical, as shown in our engraving; of refined and faultless form; pure white, beautifully imbricated and very freely produced, as many as 30 flowers being frequently borne on a single plant. The cut blooms will remain longer in good condition than most other varieties. Well adapted for pot culture. This is a valuable acquisition to the aster family, being a novelty of decided merit. Pkt. 15c.

PERFECTION.—(No. 4.) Truffant's Improved Pæony Flowered. A favorite class; thrifty, upright growers; flowers large (4 inches across) and almost perfectly round, with incurved petals; height 18 inches to 2 feet. Our mixture contains many exquisite colors. Pkt. 5c.

CROWN.—(No. 5.) The center of each flower is white, surrounded by a broad margin of color, such as crimson, rose, violet, etc.; flowers large and freely produced. Height 18 inches to 2 feet. Mixed colors. Pkt. 10c.

COMET.—(No. 6.)—The shape of this new variety differs from all others, resembling closely the large-flowered Japanese chrysanthemums. The flowers are from 3½ to 4½ inches in diameter, perfectly double, many handsome colors mixed. Per pkt. 10c.

HARLEQUIN.—A new dwarf pyramidal strain of great beauty, with oddly spotted and striped very double flowers of red and blue, the same plant often having a great variety of flowers on it. Every one will be pleased with it, and it will always attract great attention. Per pkt. 10c.

VICTORIA.—This is a magnificent sort, 20 inches high, vigorous in growth, pyramidal in habit, very free blooming; flowers double to center; very large. Adapted for either garden or window culture. Very brilliant colors, mixed. Pkt. 10c.

DWARF GERMAN.—Mixed colors. Pkt. 10c.

PYRAMIDAL BOUQUET.—Very fine, mixed colors; each plant forms a bouquet. Pkt. 10c.

HEDGE HOG, OR NEEDLE.—Very peculiar, long quilled petals, handsome and sure to attract attention. Pkt. 10c.

NEW WASHINGTON.—The largest aster in cultivation, flowers often measuring four or five inches across; perfectly double, fine form, and of many exquisite colors. Plant is pyramidal and very free blooming; mixed colors. Pkt. 10c.

COLLECTION OF ASTERS.—One pkt each of the 12 varieties named above 85c.

ALL KINDS MIXED.—Seeds of most of the varieties in above list. Pkt. 5c.

ONE
PACKET
EACH.
OF THE
7 GRAND SORTS
NAMED ABOVE
FOR
50 Cts.

ROYAL MIXED.—A very choice selection of all the best sorts; none 2d grade. Pkt. 10c.

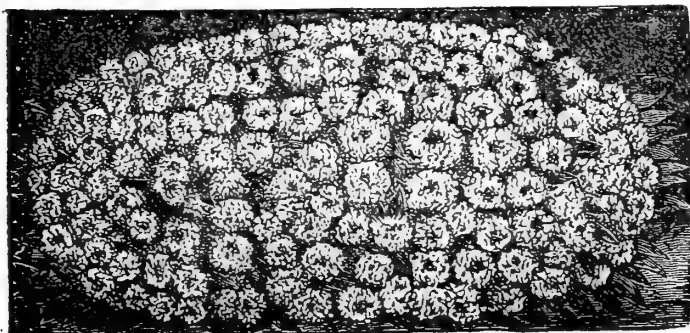


HARLEQUIN ASTER.

ALYSSUM.

SWEET.—Has pretty little white flowers, useful for making up in all kinds of small bouquets. Its fragrance while sufficiently pronounced, is very delicate. Makes a pretty border and is one of the best plants for a basket or pot. Pkt. 3c.

LITTLE GEM.—The plants are very dwarf and remarkably uniform in growth; grows only 3 or 4 inches high, and each plant spreads so as to completely cover a circular space 12 to 20 inches in diameter. The plants begin to flower quite young and soon become one mass of white, remaining in full bloom from spring to fall. Deliciously fragrant. More than four hundred clusters of flowers in full bloom have been counted on a single plant. Pkt. 5c.



LITTLE GEM SWEET ALYSSUM.



AMARANTHUS,

BEGONIA.

Seeds should be sown on top of the soil in a box pressing soil evenly with a block. Cover box with glass and give partial shade until up.

VERNON.—Comes absolutely true from seed. The plants grow rapidly and thrive amazingly under our hot summer sun. Per pkt. 10c.

REX.—Ornamental leaved varieties. Extra fine mixed. Pkt. 15c.

MIXED VARIETIES.—Many excellent flowering varieties. Pkt. 15c.

ERFORDIA.—A little beauty as well as a most distinct novelty. It is a most profuse bloomer from early summer until late autumn; even a light frost will not hurt it. The color of the flower is a lovely soft pink throughout. The leaves and leaf stalk are of a coppery bronze of a rich shade. Per pkt. 15c.

BALSAM.

One of the most beautiful of our annuals, and under the old names, *Lady Slipper* and *Touch-Me-Not*, has always been popular, but by the care and attention given it in the last few years, it has been greatly improved. The flowers are most brilliantly colored, very large and double as the rose; very striking in their rich coloring, ranging from pure white to rich dark crimson. Packets contain about 50 seeds.



PEERLESS MIXED BALSAMS.

extremely fine effect. They are easily raised from seeds which should be soaked in hot water for several hours. Packets contain about 15 seeds.

CROZY'S MIXED.—Very large flowering sorts. Choice mixed Pkt. 5c, oz. 30c.

BRACHYCOME.

Also called "Swan River Daisy." Very pretty low growing plants, fine for borders, rustic work or pot culture, covered during summer with a profusion of cineraria-like flowers. Half-hardy annual. Mixed blue and white. Pkt. 5c.

AMARANTHUS.

Prized for variety of handsome foliage whether grown in conservatory or garden. The colors will be more brilliant if planted in moderately rich soil. Should not be planted in the north before May.

TRICOLOR.—Leaves yellow, red and green; well known as "Joseph's Coat." Very showy in beds alone. Hardy annual; two feet high. Pkt. 3c.

STANLEY.—One of the finest of this showy class of annuals, which produces numerous stalks covered with long, thick panicles of crimson flowers. It commences to bloom shortly after sowing and continues to bloom until late in the fall. Height 15 inches. Pkt. 5c.

CAUDATUS.—(Love Lies Bleeding). Produces long, drooping chains of brilliant colored flowers. Pkt. 3c.

MIXED VARIETIES.—Pkt. 5c.



REX BEGONIA.

Per pkt. 15c.

BALSAM.**CAMELIA-FLOWERED.**

MIXED.—Very double, resembling the camellia in form of unusual size, perfect shape, and our mixture contains all the best colors. You will be greatly pleased with it. Pkt. 5c.

DOUBLE WHITE.—Very desirable and largely used by florists. Pkt. 8c.

PEERLESS MIXED.—This new mixture is made up from the best foreign and American strains, and their beauty is truly marvelous. Flowers double as a camellia and of all known colors, and plants are loaded with hundreds of flowers. Pkt. 10c.

All Varieties Mixed.—Pkt. 4c, oz. 25c.

CANNA.

Fine foliage plants of a highly decorative character their handsome leaf combined with their varied and richly colored flowers have an

CALLIOPSIS, Or COREOPSIS.

Many of our most showy flowers are slighted because they are common and grow anywhere without trouble or care, almost like weeds. One of these is the calliopsis. Were it a new thing just introduced, it would be considered a novelty of rare excellence.

LANCEOLATA, (New Golden Coreopsis).—One of the most showy hardy perennials grown, forming tall plants two or three feet high, and bearing in great profusion for a long period during the summer, large flowers of bright golden-yellow. Unequaled for cutting. Grows anywhere. Pkt. 10c.

GOLDEN WAVE.—Plant very bushy and compact, reaching 2 feet in height, and covered from July to October with hundreds of beautiful golden blossoms, two inches in diameter, with small dark centers. It is indeed a wave of gold. Pkt. 8c.

MIXED COLORS.—Produces flowers in nearly every shade of yellow, orange, crimson, red and brown. Pkt. 5c.

CALENDULA.

Belongs to the well known marigold family.

METEOR.—A new variety; very fine for pot culture, bearing large light yellow flowers, striped with bright orange. Pkt. 5c.

ORIOLE.—The extra large double flowers are indescribably rich and glowing in tone, of an intensely bright golden yellow, wonderfully free flowering. Pkt. 5c.

FINE MIXED—Pkt. 3c.



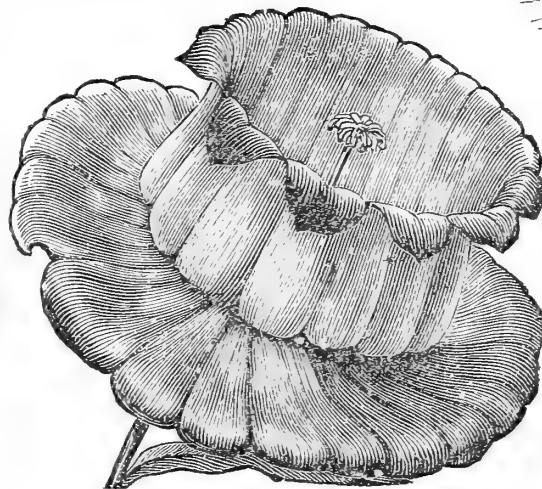
ORIOLE CALENDULA.

CANARY BIRD FLOWER.

One of the most beautiful of climbers with delicate, finely cut foliage and curious bright yellow flowers resembling the canary bird in shape and color. Pkt. 5c.

CAMPANULA.

CUP AND SAUCER.—A beautiful variety. The bell is nearly four inches in diameter, presenting the form of a saucer, hence its name. The plant is of strong growth, quite as hardy and floriferous as the old blue variety, and is very elegant and handsome, when in flower the blossoms literally hiding the plant. Perennial. Pkt. 10c.



CUP AND SAUCER CAMPANULA.

CENTAUREA.

CYANUS.—Called Ragged Sailor, Corn Flower, Blue Bottle, Bachelor's Buttons and Bluet. An old favorite. Mixed colors. Pkt. 3c.

CYANUS DOUBLE.—A sport from the above. Flowers very large and a continuous bloomer, and very popular. Our mixture contains a great variety of colors. Pkt. 8c.

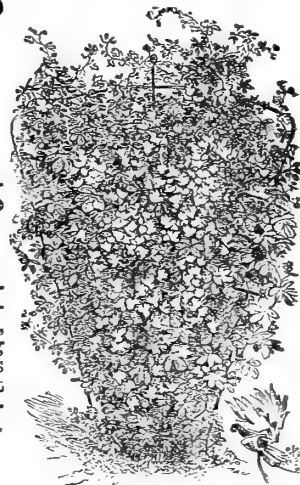
MARGUERITE.—One of the handsomest novelties ever brought out. The large flowers are of the purest white, deliciously scented, exquisitely lacinated and freely produced. Pkt. 10c.

GYMNOCARPA.—The foliage of this variety is finely cut and silvery. It is perhaps the best white leaved plant for bedding purposes. Pkt. 5c.



LANCEOLATA

CALLIOPSIS.



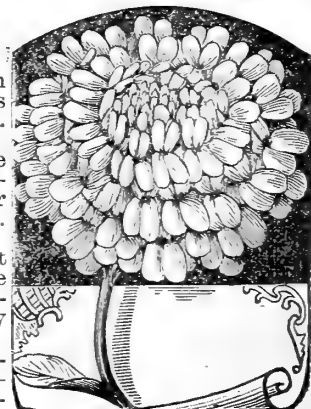
CANARY BIRD FLOWER.

CANDYTUFT.

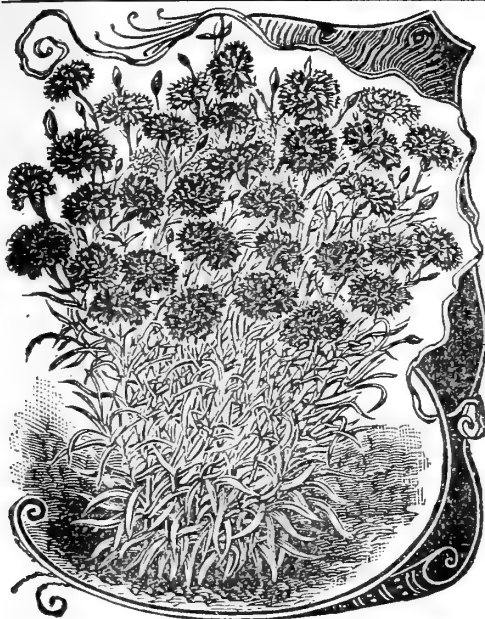
Considered indispensable for cutting. All the varieties look best in beds or masses; hardy, easy to cultivate, and bloom profusely. Hardy annuals, one foot high.

SNOW QUEEN.—A new variety from southern Europe, grows rapidly, remaining in full flower for about three months. Pkt. 5c.

BEST MIXED.—A mixture of all varieties. Pkt. 3c, oz. 40c.



SNOW QUEEN CANDYTUFT.



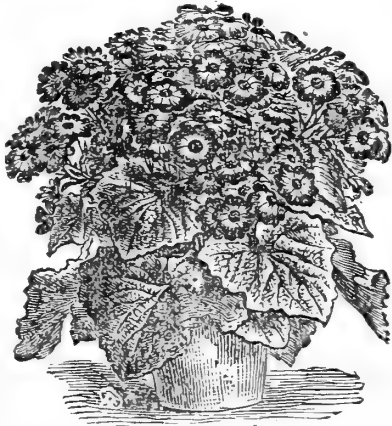
MARGUERITE CARNATIONS.

CINERARIA.

As will be seen by the illustration from a single plant, the Cineraria is a wonder for wealth of bloom and symmetry of form. The plants grow perfectly circular in shape and are entirely covered with brilliant blossoms. The rich and vivid colors range through all shades of blue, purple and crimson. Most of the varieties have a well-defined white eye and are unsurpassed for attractiveness. The seed is easily started and the plants readily grow in good ordinary soil. Hybrid Large Flowering. Pkt. 15c.

Cassia Chamaecrista.

A pretty little native flower of Iowa often called Partridge Pea. Grows 12 to 18 inches in height, with compound leaves. The flowers are large, of a canary yellow, two of the petals being purple spotted



LARGE FLOWERING CINERARIA.

at the base. They are borne on stems from two to five in a cluster, and are produced freely until destroyed by frost. Pkt. 10c.

Coboea Scandens

One of the most magnificent climbers, prized for its rapid growth (often 20 to 30 feet) and an abundance of beautiful blue flowers. The seed should be planted edge-wise in moist earth—a pot or box is best—and water sparingly till plants are two or three inches high. Pkt. 10c.

WHITE.—New and elegant. Pkt. 10c.

CONVOLVULUS.

MINOR.—(Dwarf Morning Glory.)—These beautiful bush Morning Glo-



CASSIA CHAMAECRISTA.

ries grow only about one foot high; the flowers are freely borne, and, if pleasant, remain open all day. The plant spreads with much regularity in all directions, and a bed of them is a beautiful object throughout the summer. Mixed colors. Pkt. 5c.

MAJOR.—See Morning Glory.

COLEUS.

One of the most popular foliage plants. It is very decorative in the flower border and easily grown from seed, which frequently produces new and distinct varieties. Half hardy perennial. Packets contain about 150 seeds.

FINE MIXED COLORS.—Pkt. 10c.

RAINBOW.—The finest sort; sure to please everyone. Pkt. 15c.

CACALIA.

COCCINEA.—A handsome free flowering little plant; owing to the peculiar form of the flower it is sometimes called Tassel Flower or Flora's Paint Brush. Scarlet. Pkt. 5c.



COLEUS

CARNATION.

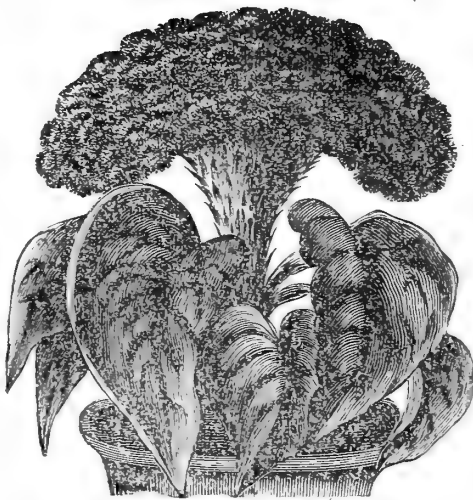
The finest of the dianthus or pink family; very fragrant. Our seed is unsurpassed.

DOUBLE EXTRA MIXED.—The best greenhouse varieties. Pkt. 10c.

MARGUERITE.—These lovely, fragrant flowers are in full bloom in about four months after sowing the seed. The plants succeed alike in the open garden or in pots, and are of such vigorous, dwarf, erect growth that no supports are required. The flowers are of high type, exquisitely sweet, fully 80 per cent perfectly double, the calyx of which does not split. The range of color, marking, variegations and shading are simply wonderful. Pkt. 5c.

CALIFORNIA YELLOW BELLS.

Bell-shaped flowers of a delicate cream color. Pkt. 5c.



GIANT EMPRESS CELOSIA.

ple combs and dark bronze foliage. Pkt. 10c.

JAPONICA.—Very bright crimson variety, large, finely cut. Pkt. 5c.

OSTRICH FEATHER.—Beautifully curled crimson plumes. Pkt. 10c.

GOLDEN GLOW.—This is one of the most attractive novelties of the season. Plants large and produce many handsome flowers 6 to 10 inches in diameter and of a most attractive bright, rich golden yellow color. Pkt. 10c.

PYRAMIDALIS PLUMOSA.—A handsome feathered sort. The entire plant is of perfect pyramidal form if given room for development. Flowers are of all shades of scarlet, crimson, yellow and pink. Pkt. 5c.

ALL VARIETIES MIXED.—Pkt. 5c.

CHRYSANTHEMUM.

SINGLE MIXED.—One of the prettiest annuals grown. The colors have the appearance of being laid on with a brush, and for this reason they are frequently called 'painted daisies,' and are indeed charming. Sow seed early in open ground and they will bloom profusely all summer. Pkt. 3c.

NEW DOUBLE ANNUAL.—A valuable and most unique novelty. They are extremely variable and it is impossible to describe the beautiful forms which have been produced, as conveyed by our engraving. A



CHRYSANTHEMUM.

great variety of colors, markings and pencilings. Although mostly very double, there will be an occasional semi-double, or even single, but these are almost equally charming. Pkt. 5c.

PERENNIAL.—Double mixed. This is the most popular greenhouse variety. Very showy and desirable for fall and early winter blooming. Plants potted in the fall make a continuous bouquet for many weeks. Pkt. 10c.

COSMOS.

A magnificent race of plants growing about 4 feet high, and in fall literally covered with graceful flowers resembling single dahlias, but better for cutting. About two inches in diameter; rose, purple, flesh color and pure white. As a cut flower for vases or personal wear its grace and beauty is unequalled. Easily raised from seed; if sown early, blooms first season.

ALL COLORS MIXED.—Pkt. 5c.

MAMMOTH PERFECTION.—Flowers double the size of the old large flowering cosmos, measuring 12 to 15 inches in circumference; the petals are broader and



COSMOS.

overlapping; flowers white, pink or crimson. Seed should be sown early in the house, as they are quite late. Pkt. 7c.

EARLY DAWN.—Two months earlier than either of above. Pretty. Pkt. 10c.

CYPRESS VINE.

A beautiful rapid climber with delicate, dark green foliage, and an abundance of bright star-shaped scarlet and white blossoms, which in the bright sunshine present a mass of beauty.

SCARLET.—Very bright. Pkt. 5c.

WHITE.—Pretty in contrast with scarlet. Pkt. 5c.

NEW IVY-LEAVED.—Entirely distinct from all other varieties, both in flowers and foliage. The ivy-like leaves make a dense screen from which the pretty fiery orange-scarlet flowers stand out in countless numbers. It is quick growing and sure to please all who try it. Pkt. 5c.

MIXED COLORS.—Pkt. 5c.



CYPRESS VINE.

DAISIES.

Popular perennials, blooming the first year from seed; very handsome, for borders or pots;

BEST DOUBLE MIXED.—Per pkt. 5c.

NEW GIANT SNOWBALL.—A most charming variety of this handsome little flower. It has unusually large, double flowers on very long stems, making it very valuable for cutting. Color, a pure snow white. Don't fail to give this little beauty a fair trial, and it will be sure to please you. Per pkt. 10c.

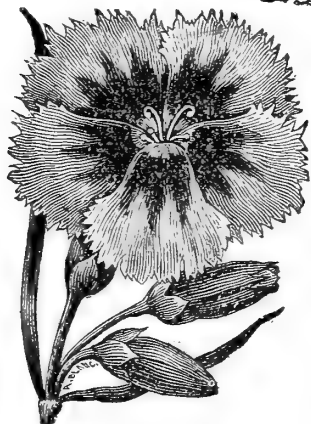


GIANT SNOWBALL DAISY.

DIANTHUS.

The Dianthus, or Chinese pink has long been a great garden favorite. It is, in fact, one of our most useful plants, furnishing abundance of gay and pretty flowers until frozen in with the earth and covered by drifting snows. They are quite as pretty for pot plants in the house as carnations. Plants from seed grow and bloom very quickly. We know we are doing our customers a kindness by urging them to plant the Dianthus for both garden and pots.

FIREBALL.—Very dwarf and compact. Flowers are perfectly double, and color a rich, velvety blood red. Effective for garden bedding or pot culture, and as a cut flower. Pkt. 10c.



HEDDEEWIGI.

CROWN OF PERFECTION.—The flowers averaging six inches in circumference, are densely double and are produced in perfect succession during the whole summer. Colors from purest satiny white to red shades so deep and intensely brilliant that the eye can scarcely penetrate their velvety depths, soft pinks and flesh tints more dainty than brush could lay; and a large proportion of flowers hieroglyphically marked with various hues. Pkt. 8c.

MOURNING PINK.—A magnificent new variety, with very double large flowers of a very dark mahogany, almost black, each petal edged with a clear cut margin of pure white. Pkt. 5c.

SALMON QUEEN.—Its flowers are of a very distinct and perfectly new tint in this class, being of the most brilliant salmon color imaginable. Pkt. 10c.

HEDDEEWIGI.—Finest selected single mixed. One of the most showy of the pink family. Pkt. 5c.

DOUBLE DIADEM PINK.—Superb large double flower. Hieroglyphically marked, like the original Chinese pinks, in the middle down to base of each petal: magnificent in color and variety. Pkt. 7c.

CHINENSIS. (Double Chinese Pink.)—Finest double mixed. Pkt. 3c.



NEW TOM THUMB DAHLIA.

DAHLIA.

The dahlia is well known, but few are aware that if the seed is sown early in the spring they will bloom the first year.

NEW TOM THUMB.—Very pretty little plants, only twelve to fifteen inches high, of a bushy habit of growth, and they come into flower very early. Scarcely three months after sowing the seed the plants will be fully developed and covered with showy, pretty flowers. The range of color is something unusual; in many of the flowers the

ground is white, with regular zones of magenta, crimson, purple, etc., while in others the ground is yellow or light rose, with variegations. The effect is vivid and striking. Pkt. 10c.

DOUBLE MIXED.—Our seed is of the finest strain, and produces magnificent, large, very double flowers of richest shades. Pkt. 5c.

SINGLE MIXED.—Pkt. 5c.

ESCHSCHOLTZIA.

California poppies. Showy summer flowering plants; large saucer-shaped flowers of striking brilliancy in the sunlight. They flower profusely throughout the season.

SINGLE.—Mixed colors. Pkt. 4c.

DOUBLE MIXED.—We believe the double form of this flower will prove very satisfactory to all flower lovers. Pkt. 5c.



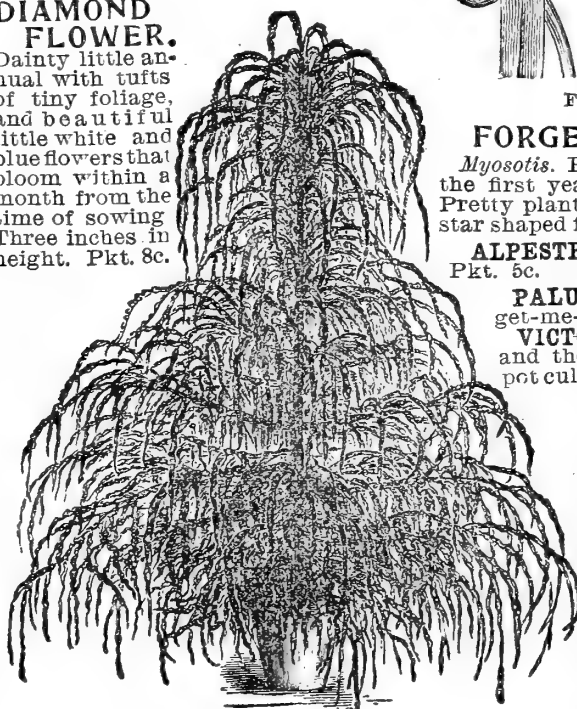
FUCHSIA.

FREESIA.

REFRACTA ALBA.—Bears peculiar clusters of white flowers of the most delicious fragrance, which last a long time, even after being cut. Start seeds early, bulbs dry off in summer. Start them growing in the house in October and you will be pleased with them. Easily grown. Pkt. 10c.

DIAMOND FLOWER.

Dainty little annual with tufts of tiny foliage, and beautiful little white and blue flowers that bloom within a month from the time of sowing. Three inches in height. Pkt. 8c.



FOUNTAIN PLANT.

FOUNTAIN PLANT.

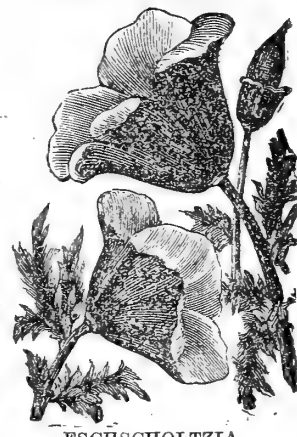
This handsome pyramidal or fountain-shaped plant is a variety of amaranthus which deserves a place in every garden. It is easily grown by starting the seeds early in the house, or sowing them in the open ground in May. It droops most gracefully, and the leaves are brilliantly banded and tipped with orange, carmine, purple, crimson and gold, forming bright colored plumes. Pkt. 7c.

GODETIA.

Handsome and showy annuals about one foot high, of dwarf, compact growth bearing freely large flowers three to four inches across, of exquisite colors.

LADY SATIN ROSE.—Brilliant deep rose pink, surface shines like satin. Pkt. 8c.

MIXED VARIETIES.—All colors. Pkt. 2c.



ESCHSCHOLTZIA.

FUCHSIAS

Fine plants can easily be raised from the seed, which will bloom freely during the summer in a cool, moist situation in the open air. On the approach of frost in the fall, they can be taken up and planted in pots. A packet contains about 15 seeds. Finest double and single mixed. Pkt. 10c.



FREESIA.

FORGET-ME-NOT.

Myosotis. Perennials. Bloom the first year from the seed. Pretty plants with neat little star shaped flowers.

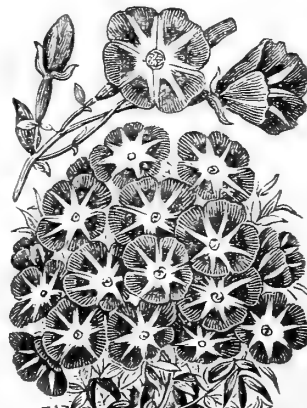
ALPESTRIS.—Mixed colors Pkt. 5c.

PALUSTRIS.—True forget-me-not, blue. Pkt. 7c.

VICTORIA.—A novelty, and the best variety for pot culture. Dwarf, globular habit; beautiful sky-blue flowers with center double. Pkt. 10c.

FOXGLOVE.

Digitalis. Showy for backgrounds and borders, and are very beautiful when planted among shrubs; will thrive in any ordinary garden soil. Fine mixed colors Pkt. 3c.



GODETIA.

Grass Pink.**GRASS PINKS.**

The hardy and pretty clove-scented flowers which our grandmothers loved. Their fragrance is quickly noticed by any one passing by the yard where they are grown, before seeing the flowers. There

has been quite a call for these among our customers, and for several years we have tried to obtain seed of this old garden favorite and have at last succeeded in obtaining a fine crop of seed. The flowers range from pure white to a dark pink, most of them, however, being a clear, delicate pink color. A hardy perennial very desirable for borders. Per pkt. 5c.

GERANIUMS.

These favorite plants are easily raised from seed, which will frequently reward the cultivator with charming new varieties. Plants from seed started early in the house, will bloom the first summer in the garden. The seeds come up irregularly, some come up in a few days and others in many days, perhaps weeks. The plants grow rapidly, and are strong and thrifty. Packets contain about 40 seeds.

CHOICE SINGLE AND DOUBLE.—Seed saved from the best varieties, mixed. Try it. Pkt. 10c.

GLADIOLUS.

A well known flower, easily grown from seed, and we should like to have all our customers try raising them in this way. This seed is of our own growing, from the best varieties, and will produce an assortment

sure to please any lover of flowers. Bloom the second year from seed. Pkt. 8c.

HIBISCUS.

A branching plant of the easiest culture, with rather pretty foliage, and large exceedingly showy blossoms. Hardy annual. 2 feet high.

CRIMSON EYE.—A robust grower, with dark red stems and foliage. Flowers of immense size, often measuring 20 inches in circumference, pure white, with a large spot of deep velvety crimson in the center. Blooms first year from seed sown in the open ground. Succeeds anywhere. Pkt. 10c.

GOLDEN BOWL.—Produces enormous flowers 5 to 6 inches across, of soft canary color with a large black center. Pkt. 5c.

HOLLYHOCK.

No garden flower is more showy or admired. The plants are stately in appearance, the flowers brilliant in color, and delicate in texture. Blooming plants can be raised the first year as easily as plants of zinnia or marigold. All that is necessary is to start the seeds in a box in the house in February or March. About May 1st transfer to a permanent place in garden where they will produce elegant spikes of flowers in August and September, and blossom freely the second year also. Our seed is the best obtainable.



GLADIOLUS.

DOUBLE PURE WHITE.—Large, clear, pure white flowers about three inches in diameter. They are as handsome as camellias in cut flower work, and are highly valued by florists. Pkt. 10c.

CHATER'S SUPERB MIXED.—An unequalled mixture of seventeen prize varieties, including all colors and shades known. Pkt. 10c.

FINE MIXED.—Contains a good variety. Pkt. 5c.

GAILARDIA.

The Blanket Flower. Exceedingly beautiful annuals, making very showy plants, one to two feet high. Grown in mass they are especially effective: large flowers, two or three inches across, produced from early summer until frost.

PERFECTION MIXED.—An improved sort, producing very double flowers as round as a perfect ball in the most varied and pleasing colors. The flowers are borne on long, slender stems and when cut will keep for over a week. Pkt. 5c.



HOLLYHOCK.



HELIOTROPE.

HELIOTROPE.

A great favorite with all lovers of flowers for their beauty and fragrance: are well suited for beds or borders, where they will bloom in summer, and may then be carefully potted and cut back for winter blooming. All should try raising these from the seed and obtain a nice variety. Mixed varieties. Pkt. 5c.

NEW MAMMOTH.—A grand new variety producing immense clusters of flowers. Per pkt. 10c.

ICE PLANT.

A handsome and curious plant for hanging baskets, rock work and vases. The leaves and stems appear as though covered with ice crystals. The whole plant is peculiarly brilliant in the sunshine. The flower is white. Pkt. 5c.



ICE PLANT.

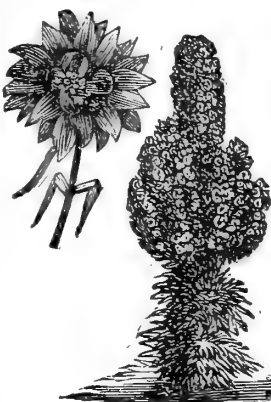
LARKSPUR.

An old and well known hardy annual. The flowers are borne in compact spikes and are showy and desirable for any situation. Sow early in open ground.

AMERICAN BANNER.—The handsomest flower in the entire catalogue. It is the only flower we know of which combines the national colors, red, white and blue, in each flower. Plants grow to a height of about two feet, and are fairly loaded with long spikes of double striped and blotched flowers. Pkt. 10c.

DWARF GERMAN ROCKET.—Mixed colors. Pkt. 5c.

TALL GERMAN ROCKET.—Mixed colors. Pkt. 3c.



ROCKET LARKSPUR.

DATURA.

A large, strong growing plant, with trumpet-shaped flowers and bearing blooms of large size.

CORNUCOPIA.—A magnificent novelty of striking beauty. The plant is about three feet high. The stems, of dark purplish maroon. The flowers average eight inches long by five inches across the mouth, are formed of two to three flowers growing one within the other, the interiors being glistening French white, contrasting beautifully with the mottled royal purple exteriors. Delightfully fragrant. Pkt. 8c.

NIGHTINGALE.—A very profuse large flowering sort of satiny white, very handsome flowers four or five inches in diameter and 8 to 10 inches long. Pkt. 5c.

DOUBLE VARIETIES MIXED.—Pkt. 3c.

LOBELIA.

Handsome trailing plants, profuse bloomers: elegant for baskets, vases and borders. All sorts mixed. Pkt. 6c.

LEMON VERBENA.

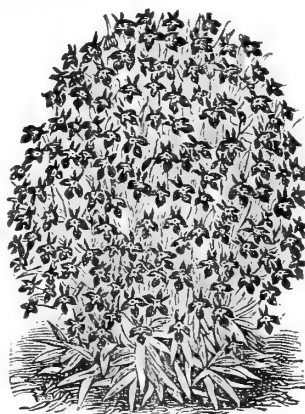
Everybody knows the Lemon Verbena and all should have a few specimens of it for its fragrant foliage is so fine to use in bouquets and floral work. Pkt. 10c.

LANTANA.

Greenhouse perennial; makes a fine bedding or pot plant; easily grown from seed. Best mixed colors. Pkt. 10c.

MAURANDIA.

Delicate climbers for windows or conservatories, or open ground in summer. Admirable to hang from vases, to cover stumps and low trellises, flowering freely; height 6 to 10 feet. Mixed colors. Pkt. 10c.



LOBELIA.

MARIGOLD.

These annuals are old favorites in our gardens, but have been greatly improved recently in size and doubleness of flowers. Are very effective for groups and masses.

AFRICAN.—Double mixed, largest. Pkt. 2c.

DWARF FRENCH.—Double mixed, best. Pkt. 3c.

LEGION OF HONOR.—Now don't say "It is only a marigold," and pass it by, for this is the prettiest of all, and in fact, few would take it to belong to that family. It is dwarf, compact and of pyramidal growth, with dark green, fern-like leaves. The blooms are of medium size, rich golden yellow with the center of each petal broadly marked with velvety crimson brown. Per pkt. 5c.

LILIPUT.—This new variety is the finest dwarf double variety in existence and quite desirable for bedding. Pkt. 10c.



MARIGOLD.



STRIPED JAPANESE MAIZE.

MACHET.—Distinct sort of great merit. It is of dwarf and vigorous growth, and throws up numerous stout flower stalks, terminated by massive spikes of deliciously scented red flowers. Pkt. 5c.

GOLDEN QUEEN.—A very distinct new variety, with bright golden flowers. Pkt. 3c.

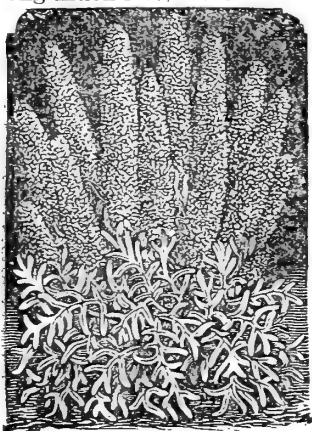
SWEET SCENTED.—The old favorite. Pkt. 2c. oz. 20c.

MILES' WHITE SPIRAL.—Grows 2 or 3 feet high, perfectly erect, spikes of bloom often measure twelve inches long. It is very showy in growth, and the grand spikes of bloom can be seen for a long distance; attracts the attention of everyone. Pkt. 4c.

MIMULUS.

HYBRIDUS.—(Monkey Flower.) Very showy and free flowering. The hardy kinds are well suited for outdoor culture. Any common soil suits. Mixed varieties. Pkt. 10c.

MOSCHATUS.—The well known musk plant, quite pretty and has a strong musk fragrance. Pkt. 10c.



MILES' WHITE SPIRAL.

rich, glossy leaves, together with their profusion and diversity of bloom, presents a gorgeous sight during the afternoon.

TOM THUMB MIXED. Very handsome, compact, dwarf, bushy plants with elegant, golden-variegated foliage; numerous brilliant flowers, pure yellow, deep red, and striped and blotched. Pkt. 5c.

MIXED COLORS AND VARIETIES.—Pkt. 3c.



TOM THUMB MIRABILIS.

Striped Japanese Maize.

An ornamental foliaged plant of rapid growth, giving immediate effect, and one which would be attractive in any garden. Grows 5 to 6 feet high and has alternate foliage, the leaves being very long and 2 to 3 inches wide. The variegation does not begin to show until the fourth or fifth leaf, when the leaves become striped with broad bands of white, changing soon to narrow stripes or ribbons of alternate clear white and brightest green, occasionally showing faint tinges of pink or rose color at the edges. The leaves are waxy and gracefully recurved. Our illustration does not do it justice. Desirable for groups on the lawn, or in ribbon beds, or a back border to the lawn. Per pkt. 5c. oz. 20c.

MIGNONETTE.

The delicious fragrance of the Mignonette makes it indispensable for bouquets and cutting. It is best to sow seed early in the garden, and they will commence blooming the first of June.

ELMWOOD GIANT.—A special selection of a famous grower, whose mignonette spikes have always excited the wonder and envy of his competitors. The plants are of a robust pyramidal habit; fine, healthy growers. They throw up very large spikes of a reddish-tinted, deliciously fragrant flowers. Unsurpassed for pot and bench culture. Pkt. 6c.



MACHET MIGNONETTE.

NIGELLA.

(Love in Mist.)

Hardy annuals, about one foot in height, finely cut leaves and handsome flowers. Blooms early. A very pretty flower, and one all our customers should try. Double flowers, blue, white and purple. Pkt. 4c.

MIRABILIS.

The Marvel of Peru, or Four-o'clock, is the most brilliant and showy of annuals. Planted in beds or masses, their compact growth,



MORNING GLORY.

(*Convolvulus Major*.)

IMPROVED CLIMBING.—Everybody knows the common Morning Glory, but many of the choice new varieties contained in this mixture are indeed rare. It will be found to include the marbled and striped sorts, varieties with marbled and lacinated foliage, the ivy-leaved kinds—in short, the largest variety of Morning Glories ever offered in



DOUBLE FLOWERING MORNING GLORY.

one package. Flowers of large size, and plants climb to a height of twenty to forty feet in one season from seed, producing thousands of flowers. Pkt. 5c. oz. 30c.

IMPERIAL JAPANESE

—Most magnificently large flowers of exquisite new colors which are rich and velvety; single and double mixed. Pkt. 8c.

FINE MIXED.—A mixture of the old varieties. Pkt. 2c. oz. 10c.

BRAZILIAN.—(*Ipomœa Setosa*.)—One of the grandest and most luxuriant plants ever grown, very showy and graceful, with rose-colored flowers from three to four inches in diameter and a huge leaf ten to twelve inches across. The density of the shade is remarkable,

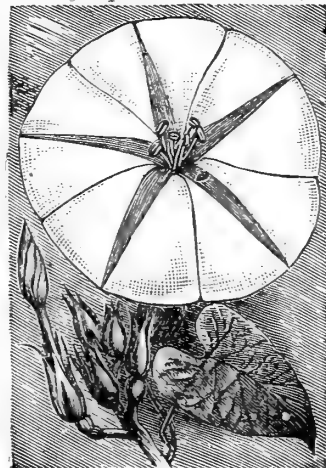
as the leaves overlap each other like the shingles on a roof. Large seed pods, with the short reddish hairs on the stems, make it unusually ornamental and attractive. Pkt. 10c.

NEW DOUBLE FLOWERING.—A splendid novelty of rapid growth, and produces its double flowers very freely. They are white with a slight spot of red or blue at the base of the larger petals. About 80 per cent of the seedlings will reproduce themselves true from seed; when sown early in spring, along season of beautiful flowers will repay you. Per pkt. 10c.

MOONFLOWER.

WHITE.—(*Ipomœa Grandiflora*.)—One of the grandest of summer climbers, growing 25 to 40 feet high, and covered nightly and on dull days with beautiful white, moon-like flowers from five to six inches in diameter. It has a rich jessamine-like odor. Pkt. of 10 seeds 7c.

BLUE FLOWERING.—(*Ipomœa Leari*.)—This distinct and charming novelty is valuable on account of being in beautiful and striking contrast with the true White Moon Flower described above; habit of growth and flowering the same. The color is exquisite, clear, satiny blue, with well-defined crimson bars; very distinct. We recommend planting the Blue Moon Flower along with the White one, as the effect will be novel and attractive. Pkt. 10c.



MOONFLOWER.

NASTURTIUMS.

These may well be classed among our most showy and handsome annuals. They are of very easy culture, and make a continuous show of bloom. Excellent for corsage bouquets. The following are the best varieties, which all should try:

CLOTH OF GOLD.—Foliage is a clear bright yellow. The plant is of dwarf, compact habit, flowers scarlet. Pkt. 7c, oz. 25c.

LADY BIRD.—Of dwarf, neat compact habit of growth. Flowers rich golden yellow, each petal barred with a bright vein of bright ruby crimson. Pkt. 5c, oz. 30c.

EMPRESS OF INDIA.—Of dwarf, bushy habit, the leaves of a dark purplish blue color, making a suitable background for the brilliant crimson-scarlet flowers. Its profusion of bloom and dazzling richness of color are remarkable. Pkt. 5c, oz. 25c.

AURORA.—A magnificent variety of new color. The plant forms a perfect globe, and is literally covered with flowers, completely hiding the foliage when in full bloom. The flower is of deep chrome yellow, the lower petals blotched with purplish carmine and marked with bright carmine veining. Pkt. 5c, oz. 25c.

CHAMELEON.—The flowers of this new Tom Thumb nasturtium are in color crimson, bronze and gold, bordered and flamed, changing in hue almost daily, hence named "Chameleon." Pkt. 7c, oz. 35c.

PEARL.—A most charming dwarf white variety. Pkt. 5c, oz. 30c.

KING THEODORE.—The darkest color known in nasturtiums—deep scarlet—maroon. Pkt. 5c, oz. 25c.

GAY AND FESTIVE.—A new and greatly improved strain of dwarf nasturtiums from California, showing a most charming combination of colors. Flowers unusually large and very beautiful. Every flower lover should plant a bed of them this year. Thirty distinct varieties mixed. Per pkt. 10c, oz. 35c.

IMPERIAL MIXED.—Includes about twenty of the dwarf varieties, selected from both American and foreign growers; this when planted in beds, produces a mass of colors. Pkt. 5c, oz. 20c.

DWARF VARIETIES MIXED.—Pkt. 3c, oz. 10c.

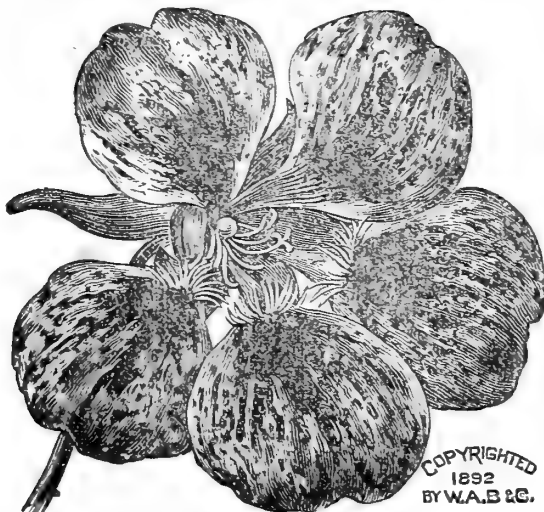
CLIMBING NASTURTIUMS.

KING OF THE BLACKS.—A very handsome climbing variety, with flowers of a very rich dark brown, almost black. Pkt. 5c, oz. 25c.

SPITFIRE.—A most brilliant new variety of bright cardinal red. A most glowing color. Pkt. 5c, oz. 25c.

MADAM GUNTER'S HYBRIDS.—For richness and great variety of colors this is unsurpassed. Striped, shaded and blotched in an indescribable manner. Pkt. 5c, oz. 25c.

NAPOLEON III.—A beautiful climbing variety, with golden yellow flowers striped with rosy scarlet. Pkt. 5c, oz. 30c.



CHAMELEON NASTURTIUM.

IMPERIAL NASTURTIUMS MIXED.

NICOTIANA.

AFFINIS.—Of all the varieties of tobacco which are grown for their sweet scented flowers this is the best. The plant is literally covered with large, white, star shaped flowers, which, after being cut, will remain perfect for a week. A few plants will perfume the whole yard or garden. Pkt. 5c.



DOUBLE PORTULACA.

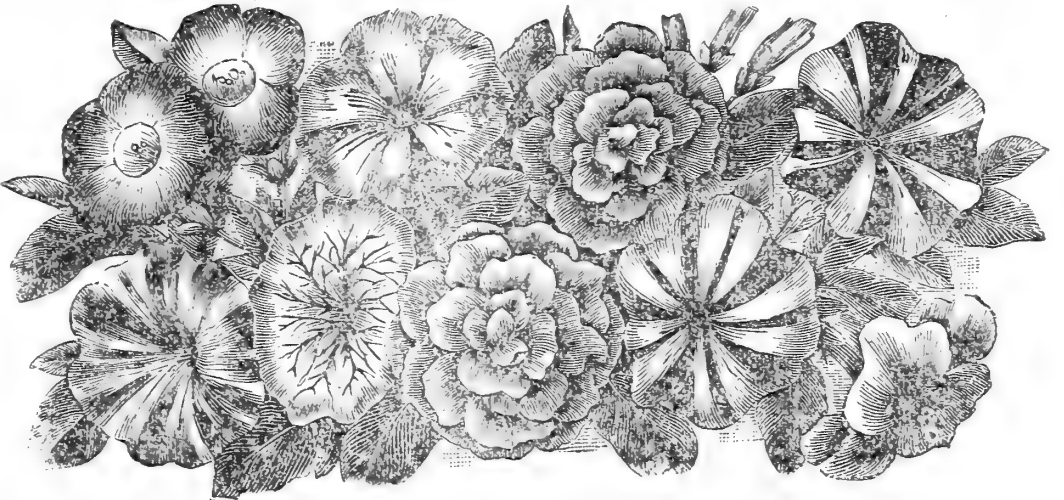
spots in the garden. Large flowered. A splendid mixture. Pkt. 3c.

DOUBLE MIXED.—Very handsome, double as a rose, and contains a color and shading unknown in the single. Our seed is extra choice and will produce sixty to seventy-five per cent of flowers as double as the most perfect rose. Pkt. 10c.

PETUNIAS.

Surely there is no garden complete without a bed of elegant petunias. They commence flowering early, and continue a mass of bloom throughout the whole season until killed by frost; easily cultivated, requiring rich soil and a sunny situation. Of late years the single striped, mottled and double varieties have been greatly improved, and the cut below gives but a faint idea of their great variety and beauty. The double varieties require more care and should be started in the house.

GRANDIFLORA MIXED.—Very large, elegant flowers; a great improvement and fully twice the size of the old sorts, with the most beau-



IOWA SEED CO.'S SINGLE AND DOUBLE PETUNIAS.

tiful shades of crimson, white, rose, maroon, etc., blotched, striped, veined, bordered, marked and fringed. Pkt. of 200 seeds 10c.

DOUBLE INIMITABLE.—A splendid mixture. Our seed is Benary's best, and will produce a large percentage of fine double-flowering plants. Pkt. 25c.

GIANT FANCY FLOWERING.—A grand new strain and the most beautiful of all. Unquestionably the finest selection of petunias in existence. Of enormous size (4 to 5 inches across), and exquisitely ruffled and fringed; of colors, markings, veinings, blotchings and stripings in the most grotesque and beautiful combinations. If you like beautiful petunias include this in your order. Pkt. 20c.

FINE MIXED.—Best of older sorts, carefully mixed. Contains some extra fine striped and blotched varieties. Pkt. 3c.

PASSION FLOWER.

MAMMOTH.—One of the most desirable of all climbing plants. Sow seed early, and if well cared for and seasons are favorable, vines will send out magnificent blossoms the first year. Its color is odd, comprising a combination of blue, pink and white, which is beautiful, very large and showy, of a feathery and velvet like appearance. Vines begin to throw out blossoms when only one or two feet high, followed in the fall by beautiful golden fruit about the size of a hen's egg. If left in the open ground in winter it must have some protection. Pkt. 5c.



NICOTIANA.

PORTULACA.

GRANDIFLORA SINGLE MIXED.—This old favorite is brightest in the hot, dry weather when other flowers are drooping. They are of almost every conceivable shade of color, and will make one of the brightest spots in the garden. Large flowered. A splendid mixture. Pkt. 3c.

TALL VARIETIES MIXED.—Pkt. 3c, oz. 10c.

OENOTHERA.

(Evening Primrose.) An interesting half-hardy annual, opening its flowers toward evening with a snap that is sure to attract attention, especially of the children. Mixed colors. Pkt. 6c.

PERILLA.

NANKINENSIS. Has a broad, serrated leaf of purplish mulberry color, and 18 inches or more in height. Very desirable for the center of a bed of ornamental leaved plants, and also for a low screen or hedge. Pkt. 5c.



PASSION FLOWER.

PANSIES.

These little beauties need no extended description, as it would be hard to find even a child in the land whose heart has not been gladdened by their bright faces. Pansies like a moist, rather shady location and rich soil. Should be watered freely in dry weather. Seed started in February or March will produce early spring flowers. Pansies are a specialty with us, and we use the greatest care in growing, selecting and importing the best strains of these universal favorites. Circular giving full directions for growing pansies will be sent free if requested. Packets contain 100 to 200 seeds.

NEW RAINBOW PANSIES.—The best novelty in Pansies for 1898 and certainly the most charming variety ever sent out. We have given it the name New Rainbow and consider it very appropriate owing to its beautiful iridescent colors. Our illustration shows three of the leading types of this mixture by which you will see the various styles of variegation but no illustration can do justice to its superior beauty. There is almost an endless variety of colors comprising all shades of blue, purple, crimson, brown, white, yellow, pink, red and black, all beautifully marked, striped, veined, blotched and margined. The colors are much more beautiful than any painter could depict. In a good sized bed you could readily find 100 different varieties, but not one poor or inferior one. The flowers are of large size, and perfect form, nearly circular, and most of them have a very rich velvety appearance. They will both astonish and delight "pansy fanciers." Packet of 100 seeds 25c.

THE PEACOCK.—This fine new variety has been named the Peacock because the upper petals of the flower most nearly resemble, in color, the peculiar shade seen only in the feather of the peacock, a beautiful ultra-marine blue. The petals are edged with a thin white line, within which it is a purplish crimson, passing into a rich central blotch of deep blue, shading to black. Pkt. 10c.

FIRE KING.—This novelty comes almost absolutely true, scarcely a plant bearing a flower at variance from the type, which is very distinct and striking. The three lower petals each have a large blotch of deep brown-red or magenta margined with yellow, while the upper petals are of a bright red, of a really fiery shade, warranting the name of Fire King. Pkt. 10c.

CASSIER'S GIANT ODIER.—The flowers, of immense size, are of the popular Odier type, being all three-spotted or five-spotted on backgrounds of very rich colors. The flowers of the Cassier's are of good substance and fine form, while the plants are of neat, compact growth. Pkt. 15c.

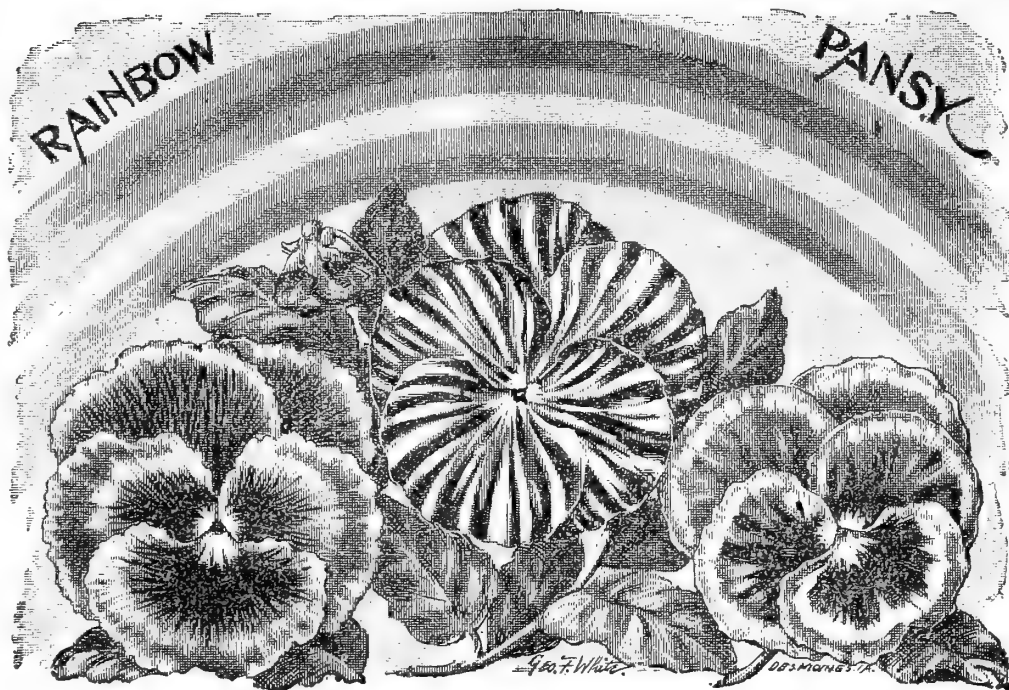
HIGHLAND.—The most exquisite new variety, grown by a celebrated pansy specialist in Scotland. Their merit consists of uniformly clear, distinct markings, high colors, perfect form and largest size. They are sure to please. Per pkt. 20c.

INTERNATIONAL MIXED.—In almost every country in the world there are pansy specialists, notably those of Scotland, Belgium, France, Germany and Switzerland. Each have their idea of perfection. This mixture consists of a grand assortment from the world's leading growers. Here will be found the beautiful German pansies, with their rich, soft, velvety colors; the lovely striped and mottled pansies from Belgium, which contrast so strongly with all others; the face pansies of England, in which one can almost see the human face because of their peculiar

spotting; the self colors of Switzerland are very attractive because of their pure coloring; the fancy show pansies of Scotland, of bright, contrasting colors and rare spotting, flaking, feathering and edging; the mammoth pansies of France, which have been grown to the enormous size of four inches in diameter, and are decidedly showy; and also the many choice American strains, which are mainly made up by selecting and crossing the foreign sorts. If you like pansies you must have the International mixture. Per pkt. 20c, ¼ oz. \$3.00, oz. \$10.00.

VIOLET SCENTED PANSY.—This new type is a cross between the pansy and the violet, combining the ideal properties of each. Flowers are much larger than the violet, more like pansies, but with the delicious fragrance of the former. Range of color runs through white, buff, canary and azure-blue, and the coloring of each is exceedingly delicate and charming. Admirers of the pansy and violet will be delighted with it. Pkt. 15c.

COLLECTION.—One packet each of above 21 sorts for \$1.50.



GIANT TRIMARDEAU.—An altogether distinct and beautiful class of pansy, the flowers of which are of very large size; some have measured four inches in diameter. Each flower is marked with three large blotches or spots, and stands well above the foliage. Choice mixed colors. Pkt. 10c.

LORD BEACONSFIELD.—New, large flowers of deep purple violet, shading off in the petals to a white hue. Pkt. 10c.

GIANT BUGNOT.—This is one of the finest strains of pansies in existence. The flowers are of enormous size, perfectly round, of great substance and of the most varied and attractive markings and colors; each petal bears a blotch that runs out in delicate veins to the edge of the petal. Pkt. 20c.

CHOICE GERMAN MIXED.—Magnificent large velvety flowers of richest hues and colors. This has for many years been one of our most popular sorts and we have taken pains to keep up its high standard of excellence. Pkt. 10c., oz. \$3.50.

MAHOGANY.—A beautiful, rich, mottled mahogany color. Pkt. 5c.

KING OF THE BLACKS, or FAUST.—Flowers intensely dark, almost coal-black. Pkt. 5c.

SNOW QUEEN.—Flowers of a delicate, pure, satiny white, handsome and attractive. Makes a fine showing in beds or for cut flower work, and beautiful for cemetery use. Pkt. 5c.

GOLDEN YELLOW.—Best of the yellow varieties. Desirable as a contrast. Pkt. 5c.

AZURE-BLUE.—Very fine shade of sky-blue. Pkt. 5c.

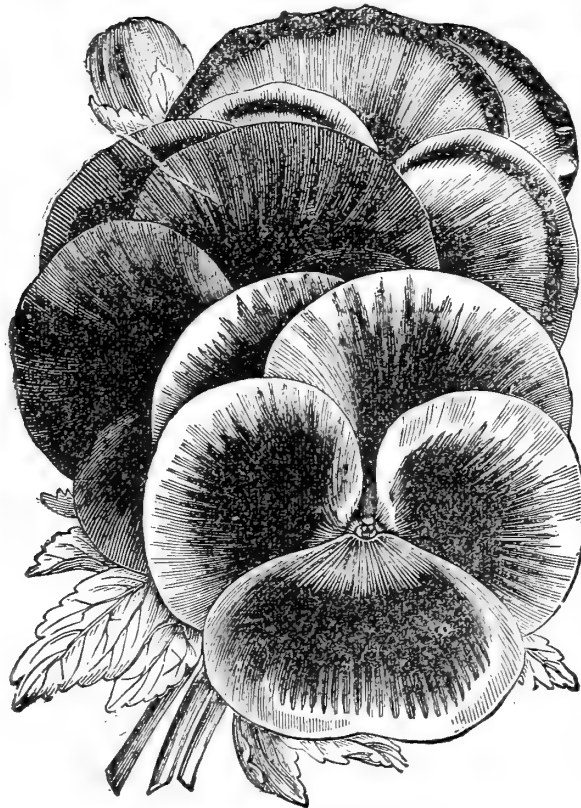
QUADRICOLOR.—Beautiful mottled blue. Pkt. 8c.

ENGLISH FACE.—A popular variety in England. Most of the flowers are distinctly marked with a "face." Pkt. 10c.

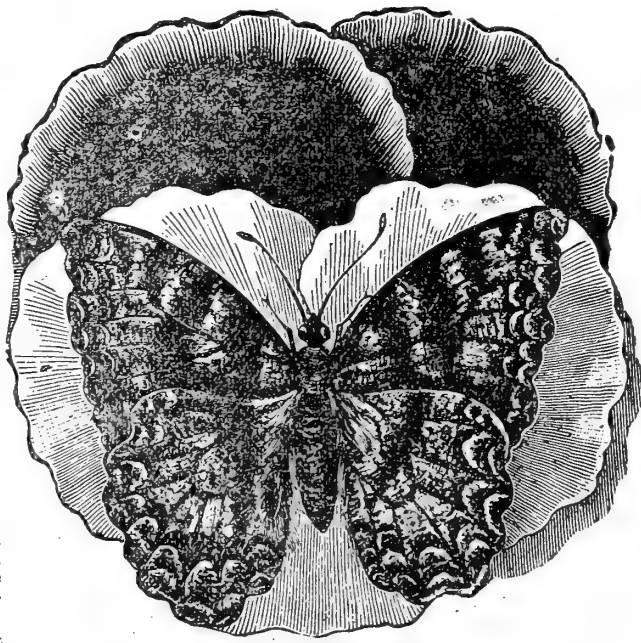
LARGE FLOWERING.—A choice mixture. Pkt. 10c, oz. \$2.75.

FINE MIXED.—Contains many good sorts. Pkt. 5c, oz. \$1.00.

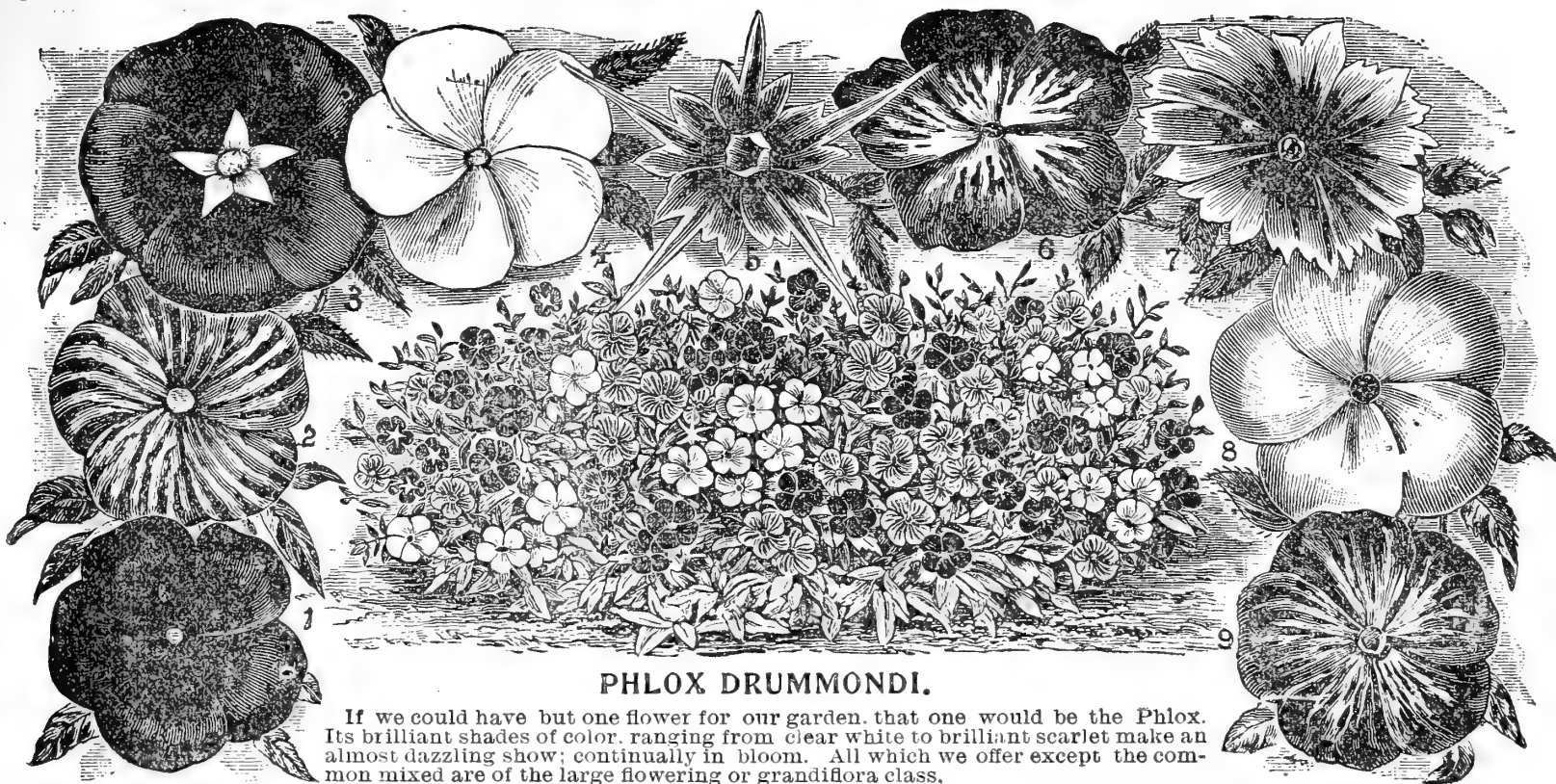
MAMMOTH BUTTERFLY.—A strain of pansy which for variety and beauty has never been excelled. Of matchless forms, colors and markings, with flowers half as large again as ordinary pansies. They will both astonish and delight "pansy fanciers." There is a great variety of colors and peculiar markings, reminding one of the varied hues of the butterfly. Pkt. 15c.



INTERNATIONAL MIXED.



MAMMOTH BUTTERFLY



PHLOX DRUMMONDI.

If we could have but one flower for our garden, that one would be the Phlox. Its brilliant shades of color, ranging from clear white to brilliant scarlet make an almost dazzling show; continually in bloom. All which we offer except the common mixed are of the large flowering or grandiflora class.

FIREBALL.—(Cut No. 1.) Brilliant, dazzling scarlet; very handsome dwarf compact growing. Pkt. 5c.

STRAITA.—(No. 2.) Bright, rich scarlet, sharply striped with white. Pkt. 5c.

STELLATA CARMINEA.—(No. 3.) Very handsome carmine flowers, with pure white star-like eye. Pkt. 5c.

GRANDIFLORA ALBA.—(No. 4.) Pure white, very large. Pkt. 5c.

CUSPIDATA OR STAR.—(No. 5.) The growth is more dwarf and compact than the common. The pointed center teeth of the petals (five in number) are long and project like little spines, one-quarter to one-third inch long. Thus the flowers appear to have a splendid, regular star-like form whose beauty is improved by the broad, white margins, which border the edges of the petals. Pkt. 10c.

SUNRISE.—(No. 6.) Beautiful, rosy salmon, shaded carmine. Pkt. 5c.

FRINGED MIXED.—(No. 7.) Very handsome. The flowers are of the most velvety colors and handsomely fringed. Pkt. 7c.

JUBILEE.—(No. 8.) A decided novelty, being an entirely new color in Phlox, a bright yellow; of strong, bushy erect habit, each plant presenting a mass of dazzling flowers, each of which is nearly the size of a twenty dollar gold coin and of perfect form. Pkt. 10c.

RADOWITZII.—(No. 9.) Handsome flowers of rose, crimson, violet, etc., striped with white. Pkt. 5c.

DOUBLE PEARL.—A grand novelty introduced by us in 1888. By constant selection each year we have improved it so that almost every plant produces handsome, double, pure white flowers. It is very pretty and will prove a splendid acquisition for bouquet work. Pkt. 10c.

GRANDIFLORA MIXED.—This special large flowering strain has been selected with great care for many years until we now have an ideal flower, of immense size and for beauty of colors they are unsurpassed. They produce a great profusion of large trusses of flowers, and if cut freely will continue a mass of bloom until severe freezing weather. The colors range from the purest white to nearly black, including all shades of pink, red, violet, crimson, purple, yellow, blue,

scarlet and brown, striped and blended in an indescribable manner. Some of the flowers are very nearly as large as a half dollar. Pkt. 8c.

MIXED VARIETIES.—A mixture of the common varieties. Pkt. 3c.

Phlox Collection. One packet each of the above varieties, making a grand assortment for only 50c.

PERENNIAL MIXED.—Splendid hardy plants which bloom continuously after the second year. Pkt. 5c.

POPPIES.

This grand old flower has kept pace with the march of improvement, and now comes around and surprises us with its new forms, new sizes and new colors.

BRILLIANT.—Of very strong, robust growth. The flowers present a variety of bright colors; pure white, scarlet, rose, purple and various other shades. The ends of the petals or fringes are of a deeper tint than the rest, and are so bright as to be dazzling to the eye. Pkt. 10c.

ROSY MORN.—Flowers extremely double, forming perfect balls of a beautiful, unique shade of rose. Pkt. 8c.

SHIRLEY.—A new single. In color from the purest white through the most delicate shades of rose pink and carmine to deepest crimson. Pkt. 5c.

FAIRY BLUSH.—Flowers perfectly double and measure from ten to thirteen inches in circumference. The petals are elegantly fringed and pure white, tipped with rosy cream. Pkt. 8c.

AMERICAN FLAG.—Flowers extra large, very double, snow white, bordered with scarlet. Pkt. 7c.

GIANT NANKEEN YELLOW.—A superb new poppy. It is a vigorous grower, the flowers are borne in constant succession for a long season, on erect, strong stalks; the nearest approach to yellow in poppies. Pkt. 10c.

DOUBLE CARNATION.—A splendid assortment of the best double carnation-flowered sorts. The most popular variety and will make an attractive bed. Pkt. 5c.

ALL VARIETIES MIXED.—Pkt. 3c.

RICINUS.

Castor oil plant. Stately foliage plants. Make a very handsome appearance on the lawn singly; also fine for clumps or ornamental hedges. Keeps out moles.

CAMBOGIENSIS.—This beautiful plant grows to a height of 8 feet, and of most stately, majestic tropical appearance. Large palm-like leaves of darkest reddish maroon, covered with a bright bronzy lustre, while the main stalk and leaf stems are ebony black. Leaves have large red veins which add to the beauty. The fruit is fiery red. It is unexcelled as a decorative plant for lawn or garden. Seed will always be scarce and high. Pkt. of 5 seeds 5c.

ZANZIBARENSIS.—Grows to a height of 12 to 14 feet, with leaves 2 to nearly 4 feet across. A handsome specimen plant for lawns. Pkt. 10c.

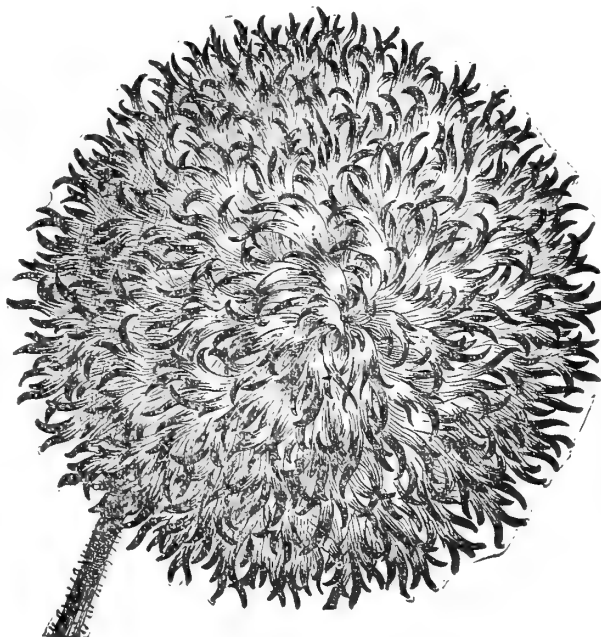
SANGUINEUS TRICOLOR.—Blood red stalk; very attractive. Pkt. 5c.

COMMON.—Pkt. 3c, oz. 10c.

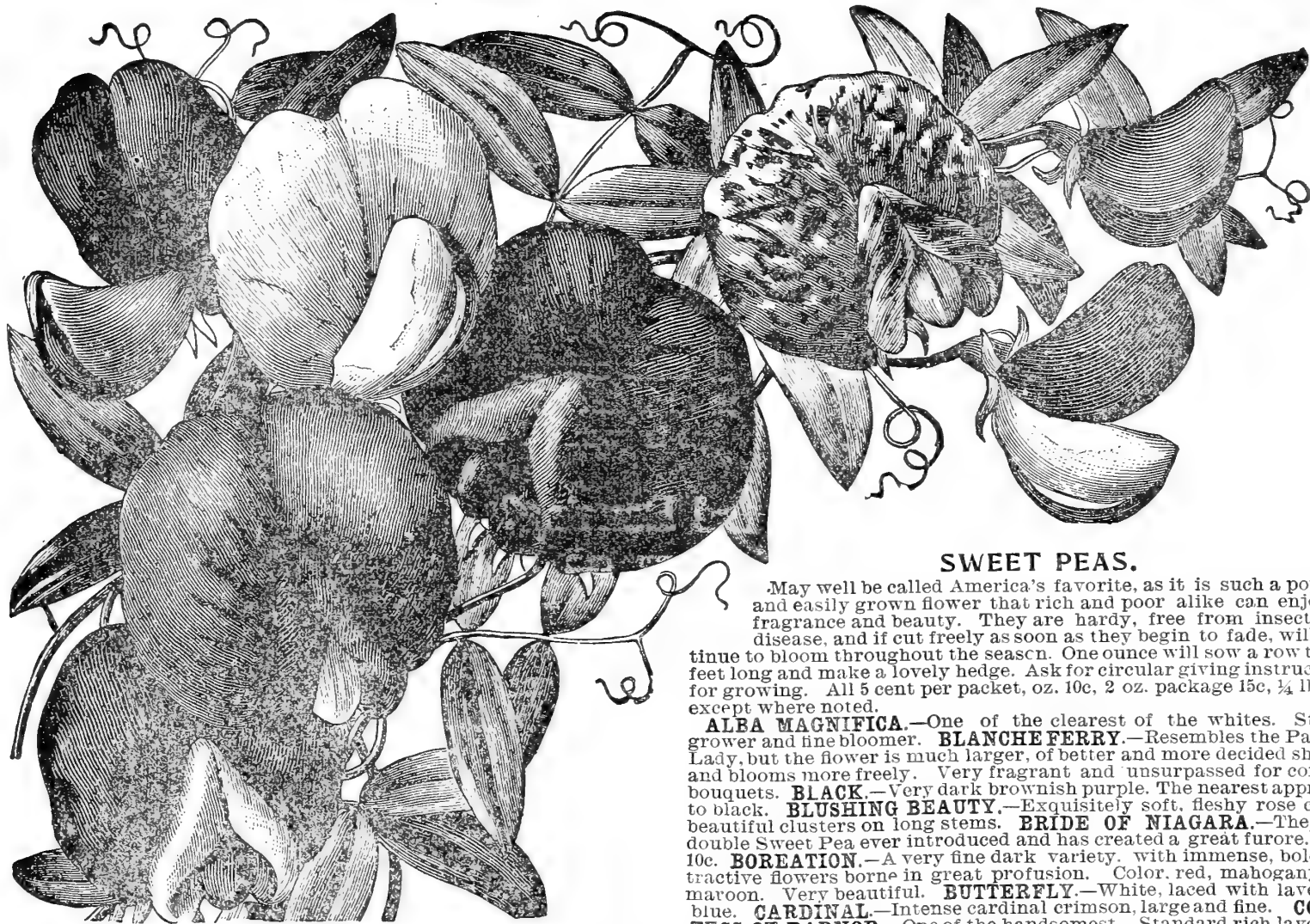
ALL VARIETIES MIXED.—Pkt. 4c.



CAMBOGIENSIS RICINUS.



BRILLIANT POPPY.



SWEET PEAS.

May well be called America's favorite, as it is such a popular and easily grown flower that rich and poor alike can enjoy its fragrance and beauty. They are hardy, free from insects and disease, and if cut freely as soon as they begin to fade, will continue to bloom throughout the season. One ounce will sow a row thirty feet long and make a lovely hedge. Ask for circular giving instructions for growing. All 5 cent per packet, oz. 10c, 2 oz. package 15c, $\frac{1}{4}$ lb. 20c. except where noted.

EMILY HENDERSON.—A beautiful, absolutely pure white; flowers are extra large, and stand up boldly without reflex or curl; plants robust, compact and branching, producing such an abundance of flowers that the plants appear as if covered with snow. From one plant, specially cultivated, has been cut in one season the seemingly incredible number of 1,035 sprays of bloom. Very early, and continues a veritable "cut-and-come-again" to the end of autumn. **INVINCIBLE SCARLET.**—Large and brilliant scarlet. **ORANGE PRINCE.**—Pink and orange, flushed with scarlet; distinct and handsome. **ODDITY.**—A curious new variety with red edge and netted surface. Pkt. 5c, oz. 20c. **PRIMROSE.**—Pale primrose yellow. One of the most beautiful; blooms a long time and exquisitely fragrant. **PURPLE PRINCE.**—Maroon standards, shaded with bronze and purple wings. **PAINTED LADY.**—Very pretty, delicate pink and white. **QUEEN OF THE ISLES.**—Large flowers handsomely striped with both blue and red on a white ground; very fine. **QUEEN OF ENGLAND.**—Pure white. **SENATOR.**—Chocolate and creamy white; handsome. **SPLENDOR.**—Well named and one of the grandest on the list. Most brilliant crimson rose; a dazzling color; often double. **VENUS.**—Salmon buff, delicately shaded rosy pink; a charming flower. Any of above varieties 5c per pkt., oz. 10c, $\frac{1}{4}$ lb. 20c. except where noted. **PERFECTED MIXED.**—Graceful form, charming color, exquisite fragrance, and simple loveliness. This mixture contains all of the most choice new varieties and some of the old favorites. Pkt. 5c, oz. 10c, 2 oz. pkg. 15c, $\frac{1}{4}$ lb. 20c, lb. 65c. **FINE MIXED.**—A good assortment. Pkt. 2c, oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 40c. **COLLECTION.**—One packet each of above 25 varieties for 85c. **PERENNIAL.**—Well known. Blooms second year. Pkt. 5c.

SUNFLOWER —*Helianthus*.

Some varieties of this well known plant are very ornamental, and are effective in proper situations, in large shrubby borders or as screens.

GLOBE OF GOLD.—A dwarf, well branched plant growing only about three feet high, and each of its numerous branches carrying a medium sized, densely double, globe-shaped flower of rich deep, golden yellow color, being veritable globes of gold. The most densely double of any sunflower. They are easily grown from seed and produce handsome, symmetrical plants, very effective on lawns or in the flower garden. Pkt. 6c.

SILVER LEAVED.—But few who see this splendid new plant would imagine that it was a sunflower. It grows three or four feet high, forming a perfect pyramid. The leaves are long and densely covered with long white hairs which give it a peculiar shining, silvery appearance. The flowers are a clear golden yellow, three to four inches across, with small, dark brown centers. Early in the morning while covered with dewdrops it is really magnificent. Pkt. 5c.

PEERLESS MIXED.—A splendid assortment of fifteen of the best varieties grown together on our grounds. Includes some which are both curious and desirable. Pkt. 5c, oz. 15c.

MAMMOTH RUSSIAN.—Largest of all. Oz. 5c, lb. 40c.

SALVIA.

SPLENDENS.—One of the most brilliant of flowers; it thrives in any light, rich soil; often called Flowering Sage. Free Bloomers. A brilliant scarlet. Very fine. Pkt. 10c.



GLOBE OF GOLD SUNFLOWER.



SALVIA.

SWEET WILLIAM.

Hardy plants about one foot high, of extreme richness and variety of color, and also deliciously sweet-scented; for clumps or borders no plant can surpass this old favorite.

SINGLE VARIETIES MIXED.—Pkt. 5c.

DOUBLE VARIETIES MIXED.—Pkt. 5c.

SMILAX.

Much used for winter decorations; the seeds start slowly and should be planted in loose, rich soil and kept moist and warm. Pkt. 8c.

SCABIOSA.

(Mourning Bride.) One of the best free flowering hardy annuals of very handsome colors. Best double dwarf mixed. Pkt. 4c.

SPRAGUAEA.

UMBELLATA.—Flowers in dense umbels, on leafless stems, six inches or more in length; blossoms are pink and nearly everlasting. Sow seed under glass or in a sheltered place. Pkt. 10c.

STATICE.

SINNATA HYBRIDA.—Produce their little flowers in panicles; will hold their color when dry, and work up nicely with everlastings. Pkt. 4c.

SALPIGLOSSIS.

One of the most beautiful of flowering annuals, forming strong, bushy plants about 18 inches high, and bearing throughout the season large flowers 3 to 4 inches across, of many beautiful colors.

NEW VARIVEINED.—Much larger than the common Salpiglossis. The surface is soft and velvety and the wealth of color marvelous. The colors range from pure white to dark yellow, dark red and purplish black, including light and dark blue, velvety plum color, maroon, crimson, dark brown, golden and lemon yellow, white, dark purple, black, brilliant scarlet, with all the shades between beautifully veined and mottled; blooms all summer and till severe frost. Pkt. 10c.

STEVIA.

SERRATA.—Produce an abundance of pretty white flowers early in fall. Pkt. 5c.



SALPIGLOSSIS.

STOCKS.

Sometimes called Gilliflowers. These popular flowers are easily grown, and are so highly fragrant and of such great beauty, and have so many good qualities, that they deserve a place in every garden. They should be given good, rich soil to grow in and will amply reward good treatment with remarkable pyramids of bloom.

LARGE FLOWERING PERPETUAL WHITE.—Of strong growth, fine branching habit, and, if sown early, will bloom from May until November. Flowers very large and pure white, and the more often they are cut the better they like it. Deliciously fragrant. Pkt. 10c.

LARGE FLOWERING DWARF GERMAN.—Our mixture contains a great variety of colors. Pkt. 5c.

SAPONARIA.

An old-fashioned perennial with pink flowers. Often called *Bouncing Betsey*. Pkt. 5c.

TORENIA.

FOURNIERI.—Beautiful free flowering, trailing plants, well suited for baskets, vases, and in moist situations out of doors. A very handsome plant. Pkt. 10c.



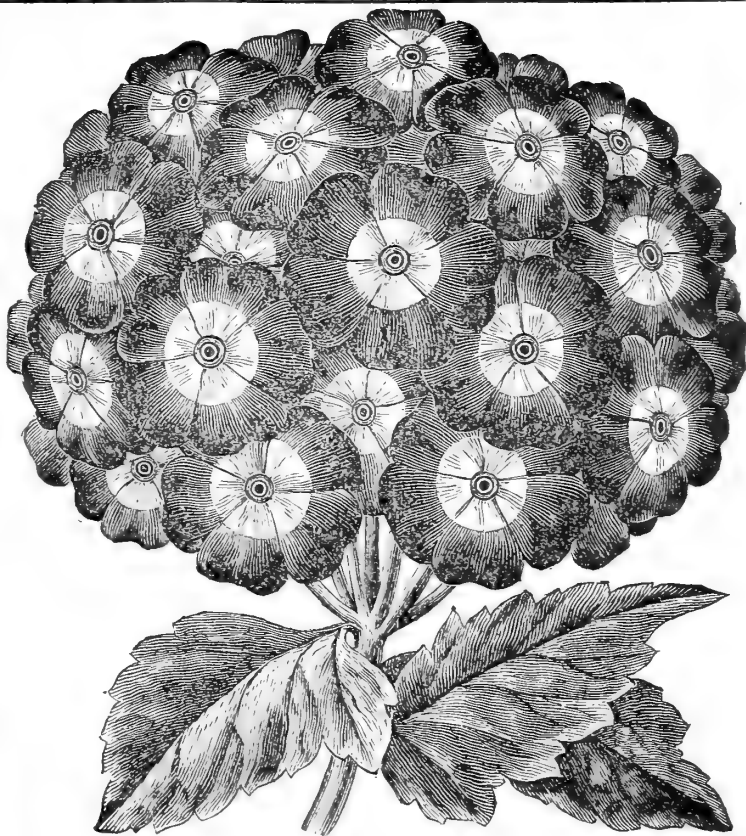
SENSITIVE PLANT.

SENSITIVE PLANT.

A very pretty and curious plant, the leaves closing when touched. The seeds start slow, and it is best to start them in boxes, cover shallow and see that they do not dry out; it makes a good house plant for winter, and always pleases the children. Pkt. 5c.

WHITLAVIA.

Delicate and pretty, but perfectly hardy plants, with drooping clusters of bell-shaped flowers. They thrive in cool, moist situations; free bloomers, and for partially shaded places they are very desirable. Mixed colors. Pkt. 5c.



HENDERSON'S MAMMOTH VERBENA.

VERBENA.

The verbena is deservedly a universal favorite, unrivaled in the splendor of its dazzling brilliancy of flower. A constant bloomer, and if grown from seed has a sweet fragrance. Treat as tender annuals. Plant seed in boxes or under glass in March, and transplant when a few inches high. In this way the verbena can be grown from seed as early as any annual, and will produce much stronger plants than cuttings. Seed sown in the open ground will flower in August.

HENDERSON'S MAMMOTH.—When well grown every flower truss measures over nine inches in circumference, while the single florets are as large as a twenty-five cent piece; more vigorous in growth than the ordinary verbena. Contains a great assortment of colors, the above illustration showing a flower of dark scarlet with white eye. Pkt. 10c.

BLACK.—Nearly a coal black with a white eye. Pkt. 10c.

CANDIDISSIMA.—Large trusses of pure white flowers; beautiful. Pkt. 6c.

DEFIANCE.—A true scarlet; extra fine. Pkt. 10c.

YELLOW.—Splendid novelty which it will pay flower lovers to try. Pkt. 10c.

EXTRA CHOICE MIXED.—From the finest German collection of named sorts. Pkt. 7c.

FINE MIXED.—Contains a nice variety of colors. Pkt. 4c.

WISTARIA.

One of the most popular hardy vines climbing to a height of fifty feet or more. It is perennial and easily grown from seed. Of luxuriant and rapid growth, bearing in the spring immense panicles of purple or white flowers produced in great profusion. Pkt. 10c.

VIOLA.

ODORATA.—The well known sweet violet. All colors mixed. Seeds start very slowly. Pkt. 10c.



WISTARIA.

WALLFLOWER.

Greatly prized for their exquisite fragrance. They grow in long, brilliantly colored spikes of flowers. There are many varieties. Plants removed to pots in autumn will produce an abundance of delightfully fragrant flowers.

DOUBLE VARIETIES MIXED.—Pkt. 10c.

SINGLE VARIETIES MIXED.—Pkt. 5c.

WAHLENBERGIA.

GRANDIFLORA MIXED.—(Also called Platycodon.) Of wonderful beauty and attracts much attention on our seed farm. It is a perennial plant blooming the first year from seed, which should be sown early in open ground. The flowers are of large size, being 2½ to 3 inches in diameter, and the various shades of light blue, lavender and white. They bloom very profusely and continuously all summer, if flowers are removed as soon as they begin to fade. Pkt. 10c.



WALLFLOWER.



WILD CUCUMBER.

to deep, purplish crimson, hedges, beds or borders.

PIGMY or LILLIPUT.—This strain is the acme of beauty and perfection in zinnias. Plants small and of bushy growth, each one bearing scores of beautiful little blossoms of the most perfect shape and brilliant colors, from pure white to very dark orange, purple, crimson and vermilion. These charming little zinnas are gems indeed and should be in every garden. Mixed colors. Pkt. 10c.

CURLED AND CRESTED.—A most unique and charming new variety with petals oddly curled and crested in fantastic contortions and graceful forms. Flowers large, double, and the peculiar shape of petal relieves the flower from stiffness. Many colors. Pkt. 10c.

FINEST DOUBLE MIXED.—Pkt. 3c.

NEW ZEBRA.—Beautifully and brilliantly striped with rich colors. There are always some plants which do not produce striped flowers. Very handsome. All colors mixed. Pkt. 5c.

XERANTHEMUM.

Free flowering and easily grown, making a handsome bed. All kinds mixed. Pkt. 10c.

OTHER STANDARD FLOWER SEEDS.

For lack of space the following desirable varieties of flower seeds were omitted from the foregoing descriptive list.

	PER PKT.
AMPELOPSIS. —(Boston Ivy.) Good clinging wall plant.....	10c
FOLIAGE BEETS. —Most effective foliage plant. Mixed colors	5
BLUETS or QUAKER LILY. —A pretty little blue wild flower	10
BRYONOPSIS. —A hardy climbing annual with ivy-like foliage	5
CACTUS. —Fine mixed varieties	10
CANTERBURY BELLS. —Single and double mixed colors.....	5
CATCHFLY. —A showy little plant. Mixed colors	2
CENTROSEMA. —Grandiflora. Bears in the greatest profusion large inverted pea-shaped flowers. Color rosy violet..	5
CLARKIA. —Desirable hardy annual for bedding. Fine mixed	3
CLEOME. —Pungens. (The Giant Spider Plant.) Rose color....	5
CUPHEA. —Platycentra. (Cigar Plant.) Bright scarlet.....	15
CLIANTHUS. —Dampeiri. A beautiful shrubby climber.....	15
CYCLAMEN. —Persicum. A handsome greenhouse plant.....	15
DOLICHOS. —Lablab. (Hyacinth Bean.) An excellent climber	5
DELPHINIUM. —Chinensis. (Perennial Larkspur.) Mixed. ..	5
EUPHORBIA. —Variegata. (Snow on the Mountain.).....	5
Heterophylla. —An easily cultivated annual; very pretty..	10
FERNS. —Fine mixed varieties.....	15
FEVERFEW. —Handsome double white flower.....	5
GILIA. —Handsome annuals. Many varieties mixed.....	4
GLOBE AMARANTH. —"Bachelor's Buttons." Mixed colors..	5
GLOXINIA. —Greenhouse plants. Brilliant flowers. Mixed..	25
GOLDEN ROD. —Easily grown from seed. Beautiful flowers..	5
GOURDS. —All varieties mixed. Many handsome oddities....	5

	PER PKT.
GYPSOPHILA. —Elegans. Handsome small flowers. Mixed..	5
HELICHRYSUM. —The most valuable double everlasting, having large flowers. Mixed colors.....	5
HUMULUS. —(Hop.) New Japanese Variegated. —The leaves are strikingly variegated and marked. A pretty vine.....	10
HYACINTHUS. —Candicans. 3 to 4 ft. high. White flowers..	5
LATHYRUS. —Latifolius. (Perennial Peas.) Free flowering..	5
LINUM. —(Flowering Flax.) Showy annual. Scarlet flowers..	5
LUPINUS. —Bright colored flowers. Fine bedding plant.....	5
LYCHNIS. —Haageana Hybrida. Hardy perennial. Mixed..	8
MARTYNIA. —(Devil's Claws.) Gloxiana-like flowers.....	5
OENOTHERA. —(Evening Primrose.) Flowers open towards evening with a snap that will attract attention. Mixed....	8
OXALIS. —Handsome basket or rockery plant ..	10
PRIMULA. —Sinensis. (Chinese Primrose.) Mixed colors..	25
Elatior. (Polyanthus.).....	10
PYRETHRUM. —Golden Gem. Double; fine for edgings.....	5
Roseum. Plant from which Persian insect powder comes	8
RHODANTHE. —Maculata. One of the prettiest everlastings	10
SCARLET RUNNER BEAN. —Dark scarlet flowers and pods	5
SEDUM. —Suited for baskets and rockeries. Mixed varieties	5
SWEET SULTAN. —Mixed colors.....	5
THUNBERGIA. —Rapid growing, free blooming vine; mixed	5
VENUS' LOOKING GLASS. —Handsome for masses. Double..	5
VINCA. —Perennial; single; mixed colors. For pot or bed....	5

SPECIAL MIXTURES OF FLOWER SEEDS.

Many persons derive pleasure from watching the growth of a varied bed of flowers, entirely out of the usual trim garden style, while others desire a much more extended collection than their means will permit. To both of these classes the following special mixtures will appeal:

MIXTURE OF FRAGRANT ANNUALS.—Carefully made up from seeds of fragrant flowers only. A bed of these will give rich perfume throughout the day and evening, while some of them are also suitable for cutting. Pkt. 10c.

MIXTURE OF CLIMBERS.—This is a liberally filled packet of seed of many beautiful annual climbers, suitable for growing together. Pkt. 10c.

WILD GARDEN MIXTURE.—Over 400 kinds of such flower seeds as are suitable to be planted together; altogether forming a mass of bright colored flowers and beautiful foliage which is sure to interest and please. Our illustration will give some idea of the possibilities in growing flowers from this mixture. Select a light, rich soil, as free from weeds as possible; plant in this latitude about the first of May. Pkt. 5c, oz. 35c.

INTERNATIONAL NOVELTIES MIXED.—Each year we make a grand test of floral novelties, obtaining seed therefor from all parts of the world, and our trial fields exhibit a truly magnificent display of flowers never before grown here. A few of the new varieties did not do well with us, but they may prove valuable in other climates or on different soils, but by far the larger number are valuable acquisitions, and we would like to have all our customers try them. We have saved seed of most of the varieties, but instead of listing them in our catalogue separately at 10 cents to 25 cents per packet, we have decided to mix them all together and offer our customers this grand assortment at the low price of 10c per pkt., 3 pkts. 25c.

LOW-GROWING ANNUALS.—This mixture contains seeds of a great variety of low-growing annuals, few of which exceed four to six inches in height, and which, sown in beds of borders, present the appearance of Turkish rugs, carpeting the ground in their wide range of colorings and forms. Pkt. 10c.

MIXED BIENNIALS AND PERENNIALS.—About fifty varieties. Every garden should contain a good assortment, and it will be easily obtained in this way. Pkt. 10c.

FLOWERS FOR BOUQUETS.—This mixture embraces seeds of annuals producing flowers suitable for cutting and for bouquets, nearly all of them having long stems. Planted in a section of the garden, this will furnish a constant supply of cut flowers. Pkt. 10c.

MIXED EVERLASTINGS.—A grand assortment of all sorts of everlasting flowers, suitable for bouquets, etc. Pkt. 10c.

MIXED GRASSES.—A mixture of the ornamental grasses suitable to grow in masses. Makes a striking as well as useful collection. Valuable for making up into winter bouquets. These should be cut just as they come into bloom and dried in the shade. Very useful for working up with the everlastings into winter ornaments; they lend a grace and beauty not obtainable without them. Pkt. 5c.

All of the above mixtures are carefully prepared from choice, fresh seeds, and cannot fail to give satisfaction. The packets are liberally filled, and in no other manner can so many seeds be obtained at such light cost.

WILD CUCUMBER.

A well known vine common in many sections, and the quickest climber known for covering verandas, old trees and houses, trellises, etc., never suffering from the heat, but retaining its fresh and lively green color; never infested with insects, and very profuse in bloom. It will sow itself and come up every year in the same place. Pkt. 10c.

ZINNIA.

Strong growing, hardy and elegant plants, rivaling the dahlia, in size and doubleness, while the colors are bright and varied, ranging from pure white



„PIGMY“
MEXICAN ZINNIA“





NOTICE! THESE COLLECTIONS ARE ALL PUT UP READY FOR MAILING AND THEREFORE CANNOT BE CHANGED OR DIVIDED. WE PREPAY THE POSTAGE ON ALL OF THEM.

COMPLETE GARDEN COLLECTION.

A BARGAIN IN SEEDS. 35 VARIETIES FOR \$1.00.

All Good, Desirable Sorts.

Sure to Please You.

CONSISTS OF ONE FULL SIZED PACKET EACH OF Improved Golden Wax Beans, Old Homestead Pole Beans, Market Gardeners' Beet, Henderson's Snowball Cauliflower, Washington Wakefield Cabbage, Short Stem Drumhead Cabbage, Oxheart Carrot, Early Sunrise Corn, Golden Self-Blanching Celery, Country Gentleman Corn, Perfect White Spine Cucumber, Improved Ground Cherry, American Mammoth Brussels Sprouts, Page's Striped Rice Pop Corn, Iceberg Lettuce, Improved Hanson Lettuce, I. S. Co.'s Improved Green Nutmeg Musk Melon, Duke Jones Watermelon, Large Red Wethersfield Onion, Mammoth Prizetaker Onion, Nott's Excelsior Peas, Non Plus Ultra Radish, White Strasburg Summer Radish, Improved Table Guernsey Parsnip, Ruby King Pepper, Sibley Squash, Long Standing Spinach, Mammoth Sandwich Island Salsify, Market Gardener's Parsley, Early Minnesota Tomato, Matchless Tomato, White Egg Turnip, Purple Top Strap Leaf Turnip, Monarch Ruta Baga, and Vine Peach.

Total 35 full sized packets sent postpaid for \$1.00; at regular catalogue price they amount to \$2.05.

HOW TO SUCCEED
PLANT IOWA SEED.

PROSPERITY COLLECTION.

To celebrate the return of prosperity (to the farmer) we offer the following which are just what should be in every farmer's garden. The quality is so superior, the quantity so large and the price is so low that it means prosperity to all who invest: All Seasons Cabbage, Extra Early Express Cabbage, Stowell's Improved Evergreen Sweet Corn, Iowa Mastodon Melon, Stringless Green Pod Beans, Danvers Carrots, Dewing's Beet, Medium Green Cucumber, Stowell's Evergreen Corn, Prizehead Lettuce, Iowa Mastodon Musk Melon, Wonderful Sugar Watermelon, Yellow Globe Danvers Onion, Guernsey Parsnip, Sweet Mountain Pepper, American Wonder Peas, Improved Chartier Radish, Hubbard Squash, Imperial Tomato and Purple Top Globe Turnip.

In all 20 packets for only 50 cents, postpaid.

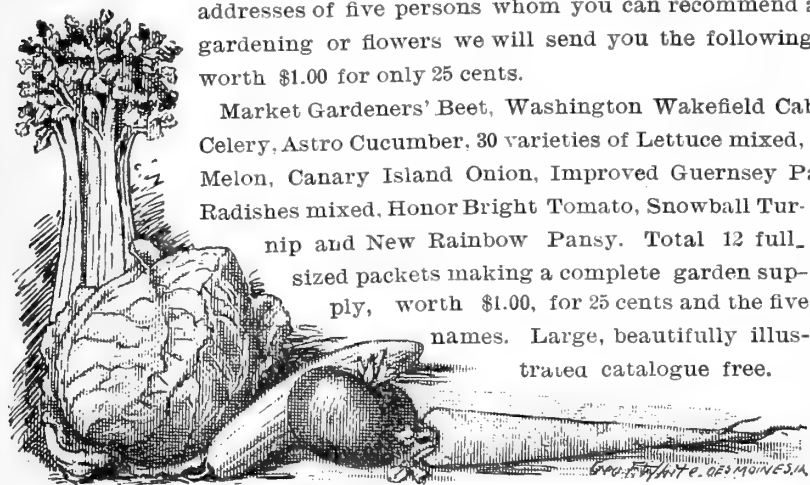
SMALL FRUIT COLLECTION.

No matter how small your garden we are sure you will have room for a few fruit plants so as to have nice fresh fruit of your own growing. We offer 1 Moore's Early Grape, 1 Agawam Grape, 2 Currants, 2 Raspberries, and 25 Strawberries, assorted varieties. Value \$1.90, for \$1.00, postpaid. A splendid collection and one which should be in every yard in America where there is only a limited space for fruit.

\$1.00 for 25 cents.
AND FIVE MINUTES WORK.

We want the names of your neighbors who buy seeds, and, if you will send us the addresses of five persons whom you can recommend as being interested in gardening or flowers we will send you the following assortment of seeds worth \$1.00 for only 25 cents.

Market Gardeners' Beet, Washington Wakefield Cabbage, Pink Aromatic Celery, Astro Cucumber, 30 varieties of Lettuce mixed, Iowa Mastodon Musk Melon, Canary Island Onion, Improved Guernsey Parsnip, 40 varieties of Radishes mixed, Honor Bright Tomato, Snowball Turnip and New Rainbow Pansy. Total 12 full-sized packets making a complete garden supply, worth \$1.00, for 25 cents and the five names. Large, beautifully illustrated catalogue free.



A NICE

..Lawn..

Easily and
Cheaply Made by
Sowing Our Seed.

SEE PAGE 24.

PATRIOTIC COLLECTION.

For Americans

One packet each of the following flowers: American Banner Larkspur, Queen of the Isles Sweet Peas, American Flag Poppy, Beautiful Wild Rose (the state flower of Iowa) Golden Rod, (our national flower) International Mixed Pansy. In all 6 packets worth 57 cents for only 35 cents.

GEM COLLECTION.

Of Floral Novelties.

One packet each of Japanese Morning Glory, Blue Solanum, Umbrella Palm, Mammoth Heliotrope, Early Dawn Cosmos, Golden Matchet, Mignonette and Royal Mixed Aster. All for 40 cents.

NOVELTY COLLECTION.

To enable you to test some of our novelties at a small expense, we offer one packet each of Sunrise Sweet Corn, Mougri, McCotter's Pride Melon, Atlas Pumpkin, Rose Turnip Radish, Canary Island Onion, Iowa Mastodon Melon, Astro Cucumber, Apple Pie Melon and Mignonette Lettuce. Ten packets for 50c.

FLOWERS FOR EVERYBODY.

50-CENT POPULAR COLLECTION.

Consists of one packet each of Sweet Alyssum, Aster, Balsam, Candytuft, Dianthus, Convolvulus, Cypress Vine, Canna, Cockscorn, Larkspur, Ice Plant, Mignonette, Nasturtium, Petunia, Pansy, Poppy, Phlox, Sweet Peas, Sunflower and Zinnia. Total 20 packets for 50c.

25-CENT BARGAIN COLLECTION.

Consists of one packet each of Petunia, Cypress Vine, Eschscholtzia, Balsam, Phlox, Aster, Pink, Pansy, Mignonette, Sweet Peas, Zinnia, and Verbena. Total 12 packets for 25c.

10-CENT TRIAL COLLECTION.

Consists of one packet each of Balsam, Candytuft, Pinks, Mignonette, Pansy and Sweet Peas. Total 6 packets for 10c.

SOUTHERN COLLECTION.

For the benefit of our many southern customers we have made up this collection of flowers which will stand the southern climate and keep up a bright show of colors. Their beauty and brilliancy and great variety will please you. One packet each of Antirrhinum, Datura, Mirabilis, Poppy, Morning Glory, Moonflower, Nasturtium, Larkspur, Mignonette, and Eschscholtzia. Ten packets for 30c.

COLLECTION OF SHRUBS.

A chance for permanent improvement. Our selection of 10 choice hardy shrubs and hardy flowering plants for only \$1.00.

20 PLANTS
Beautiful Everblooming
PREPAID FOR \$1.00

That every flower lover in America may afford a collection or greenhouse plants we have grown these 20 kinds in large quantities

so that we might afford to send this large number for the very low price. They are all choice plants suitable either for house culture or outdoor vases or bedding. They are not little slips, but good plants which we are sure will please you. Please remember that they are all to be our selection of varieties: we cannot allow you to select at this price. Many of these plants are choice high priced sorts, of which we have a surplus at the time order is filled. 20 plants for \$1.00.

NOVELTY PLANT COLLECTION.

One strong plant each of A. Neuner Bouvardia, Rainbow Rose, Double New Life Geranium, Illumination Chrysanthemum, Chance Salvia, Hawkeye Giant Coleus, Rudbeckia and Eclipse Abutilon. In all eight charming plant novelties worth \$1.35 for only 75 cents. Every one who loves beautiful, rare flowers should have this collection.

CHILDREN'S COLLECTION.

To encourage the children and induce them to begin having a garden "all their very own," we offer this collection, consisting of one packet each of Beet, Cucumber, Lettuce, Radish, Onion, Pop Corn, and Sunflower. In all seven full-sized packets postpaid for only 15 cents.

FLOWER BULBS.

Many of the most showy, attractive, inexpensive and easiest grown of all summer and autumn flowers are contained in this important class. Our bulbs are large and strong, and will be sent well packed, postpaid on receipt of price, except where noted.

DISCOUNTS.—Your selection of bulbs to the amount of \$1.20 at catalogue prices will be sent postpaid for \$1.00, \$2.50 for \$2.00.

DAHLIAS.—These showiest of flowers are becoming popular favorites. Specialists have been quietly at work improving them for many years past and the result has been some most grand varieties. Don't fail to try a few. There is such an endless variety that we think it best to list only a few sorts.

Nymphaea.—(The Pink Water Lily Dahlia.) The flowers are of perfect form and exquisite finish, being soft, delicate, waxy and graceful. The color is a clear, bright shrimp pink, shading slightly darker toward the outer petals. The plant is very strong and vigorous, and produces the flowers in the greatest profusion.

Snowball.—Large, double, pure white. Handsome.

Hermit.—Dark crimson, curiously mottled with light pink. A "freak."

Fern Leaf Beauty.—This grand novelty has fern-like foliage and flowers of creamy white with a distinct margin of crimson around each petal.

Golden Ball.—A most beautiful, large, pure, deep yellow flower shaded with old gold. Perfectly double.

Crimson King.—A large ball-shaped flower, of most handsome rich, dark crimson glowing color, very double.

Unique.—A splendid novelty. Center pure yellow, shaded with gold, tipped and margined rose and shades of blue.

Strong roots of any of above varieties 25c each, 5 for \$1.00, \$2.25 per doz. Plants of any 10c each, \$1.00 per doz.

Double Mixed Varieties.—Contains a good proportion of best scarlet, yellow and white varieties, besides many other shades which are most popular.

Fancy Double Mixed.—The handsome tipped, striped, spotted and variegated sorts in a splendid mixture.

Single Mixed.—Of much value for table or corsage bouquets.

Mixed Cactus.—Flowers are very beautiful, though peculiar in form, somewhat resembling the blooms of the Cactus family. Many varieties. Strong roots of any of these mixtures 15c each, \$1.50 per doz. Plants 10c each.

DAHLIA BOOK.—Complete; beautifully illustrated; price 50c. Free to any one ordering \$2.50 worth of dahlias.

CHINESE SACRED LILY.—Very handsome. The flower is white, with a yellow tinted cup; the bulbs are large with from three to six various-sized offsets, and nearly every offset bears a flower stalk. Usually grown in a bowl of water. We can furnish them until the last of March, when the supply is usually exhausted, and we do not have more until fall. Each 15c.

CINNAMON VINE.—This beautiful climber is perfectly hardy, and a rapid grower; has beautiful heart-shaped, bright green leaves, and clusters of delicate white flowers. Large tubers for 10c, 3 for 25c; bulbets, per doz. 10c.

HYACINTHUS Candicans.—Drooping, ivory white bell-shaped flowers of delicate fragrance. Suitable for cemetery. Each 5c; 3, 12c; doz. 40c.

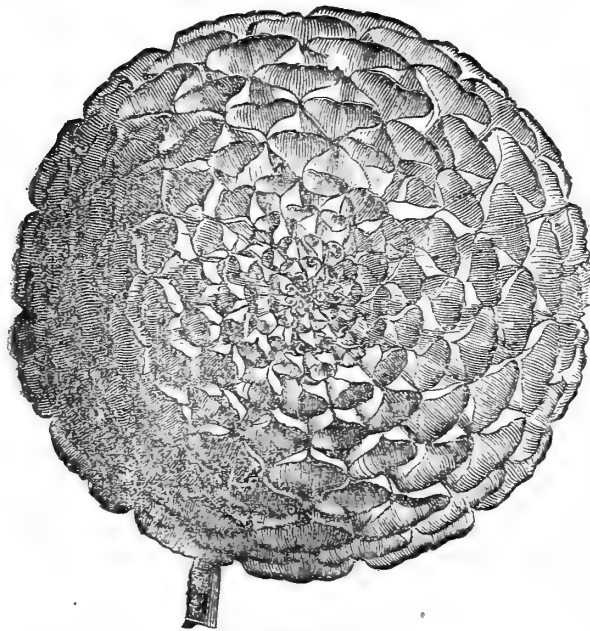
APIOS, Tuberosa.—This is one of the most beautiful climbing vines. Grows very quickly and blooms profusely, bearing lovely clusters of rich, deep purple flowers. Each 5c; 3 for 10c; doz. 30c.

CALLA LILIES.—Very attractive tropical looking plants with elegant pure white flowers.

Little Gem.—A true miniature specimen of the old Calla, rarely growing over 10 to 12 inches high. This is highly regarded in some places but has not proved a good bloomer at our place. Each 15c, 3 for 40c.

Mammoth White.—The largest flowering variety and most majestic Superb white flowers. Monster bulbs, each 25c, 3 for 60c; medium size each 15c, 3 for 40c.

Spotted.—Leaves are deep green, with numerous white spots, which give the plant a fine appearance. Can be planted out in the spring like a gladiolus, and produce pretty white flowers. Each 15c, 3 for 35c.



DOUBLE DAHLIA.

BLACKBERRY LILY.—Flowers orange color spotted with brown, about two inches in diameter. The blossoms are followed by seed clusters exactly like a blackberry in size, shape and color. Each 10c, 3 for 25c.

CALADIUM, Esculentum.—(Elephant's Ear.) A splendid tropical plant growing 4 to 5 feet, with immense leaves beautifully veined and variegated with different shades of green. Very showy, leaves often growing 3 feet long. Of easy culture; roots can be stored in cellar in fall, and grow larger and more showy each year. Medium sized bulbs 10c, 3 for 25c; very large 30c, 3 for 75c.

CANNA.—These very handsome tropical-looking plants are unrivaled for fine effect on the lawn.

Italia.—Large foliage, deep green, bordered white; very large iris-shaped flowers, bright red, bordered with golden-yellow. Belongs to what is called the orchid-flowered section. A grand novelty. 50 cents each.

Burbank.—An improvement on the Austria as it stands the sun better. Very large foliage; grand spikes of large canary-yellow flowers, spotted in the throat with brownish-red. 50c each.

Flamingo.—A superb, deep crimson variety with trusses of immense size. The individual flowers are four inches across, gracefully reflexed, and of fine, even rounded form. Each 25c.

Alsace.—A grand new white variety and the first of this color. Everyone who likes nice cannas should try it. Each 35c.

Rose of May.—Vigorous dwarf grower and the nearest approach to rose color. Each 35c.

Charles Henderson.—The richest deep crimson of any canna on our place, and a sort which charms everyone. Heads large, compact and symmetrical. Each 15c.

Florence Vaughan.—A most striking and beautiful yellow canna, spotted with bright red. Each 20c.

Chicago.—Of the largest size; color a brilliant vermilion-scarlet, inclined to orange. Trusses of bloom quite erect, and well above the foliage. Each 20c.

Madam Crozy.—The deepest vermilion red, gold bordered, truss is closely filled with flowers, and these flower spikes or heads follow each other so rapidly that the plant is always in bloom. Each 15c.

Queen Charlotte.—A grand large-flowered, ever-blooming French Canna; distinct golden belt around each petal, center scarlet. Each 25c.

Mixed French.—We have a grand assortment of all the best new varieties of French or Crozy cannas, at 10c each. \$1.10 per doz.

OXALIS, Deippii Alba. Valuable for edging the borders of walks or flower beds have elegant foliage and pure white flowers, and as they bloom very quickly after planting, they furnish a neat attractive border all the season. Dozen 10c, 100 30c.

Deippii Roesa.—Somewhat larger flowers and foliage than above. Leaves greatly resemble four-leaved clover; flowers rose color. Dozen 10c, 100 40c.

Lasiandria.—Leaves more finely cut than the Deippii, and flowers rosy pink. Dozen 10c, 100 65c.

LILY OF THE VALLEY.—Well known and universally admired spring flowering plants; flowers bell-shaped, freely produced and powerfully fragrant. To grow in open ground, select a partly shaded, rather moist situation and they are charming when grown in large patches, as their handsome green leaves and lovely sprays of flowers make a beautiful effect together. When once planted and established the crowns increase in number and the larger ones flower each year without attention. Now is the time to set out a bed of these delightful flowers. Our price is low for choice stock such as we send out. Each 5c, 3 for 12c, doz. 40c.

AMARYLLIS, Atamasco.—Pink and white. Each 10c.

Johnsonii.—Bears three to six brilliant red flowers striped with white. Each 50c.

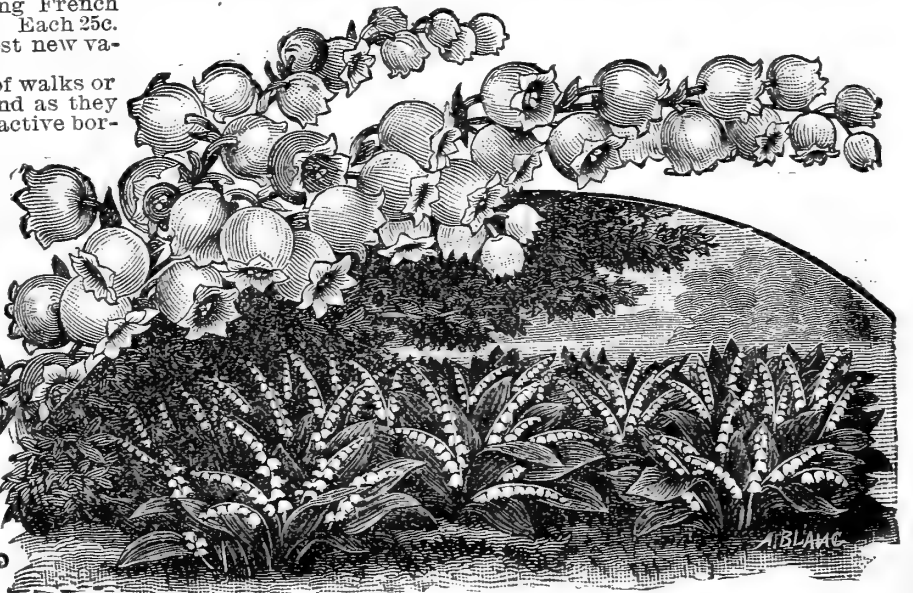
Formosissimi.—(Jacobean Lily.)—Dark velvet crimson. Bulbs may be potted any time in spring. Bloom year after year. Each 15c, 3 for 40c, doz. \$1.25.



CALADIUM.



NEW CROZY CANNAS.



LILY OF THE VALLEY.

CHOICE GLADIOLUS.

These are a specialty with us, and our fields devoted to them make a most magnificent sight each year, appearing at a distance a mass of bright colors. It is the most desirable of all bulbs, and claimed by many who are well acquainted with their varied beauty to be the flower of flowers. Our bulbs will produce immense spikes of bloom.

Royal Queen.—We do not hesitate to call this by far the finest and largest flowering variety of gladiolus ever introduced. The bulb, or corm, is usually very large, producing a strong, stiff flower stalk about three feet high. The flower spike is very long and well filled out on all sides. The flowers are of a clear, pearly white ground, striped and splashed with a rich carmine, shading to a rosy purple, most beautifully blotched and marbled, and of a delicate velvety texture. It is not affected by the heat and blooms freely. The flowers measure four inches in diameter when in cup form, or six inches spread and are held upright on the spike. If you want something extra fine don't fail to try the Royal Queen. Each 20c, 3 for 50c.

Grace.—A beautiful new variety of pure clear salmon color, bright violet center. Each 10c, 3 for 25c.

Carrie.—Another new variety which originated on our grounds. A good sized spike and flower and the nearest purple known in gladiolus. Each 10c, 3 for 25c.

Childs.—A very peculiar new class of gladiolus comprising a great variety of new colors and markings. Each 10c, 3 for 25c.

Meyerbeer.—Rose scarlet, amaranth red blotch. Each 10c, 3 for 25c.

Salmon Pink.—A handsome new variety of pure salmon pink color. Attractive. Each 10c, 3 for 25c.

Arsine.—Fine satiny rose with bright carmine. **Brenchleyensis.**—Deep vermilion scarlet. **Ceres.**—Beautiful blush white, marbled and striped with rose and carmine. **Eugene Scribe.**—Light pink, glazed with carmine. **Isaac Buchanan.**—Best of yellow varieties. **Leander.**—Flowers of a soft and delicate lilac color, shaded and spotted with carmine and has a distinct white band in each petal. **Norma.**—The best white variety. **Ophir.**—Dark yellow, mottled with purple. **Princess of Wales.**—White, blazed with carmine and rose, stained with deep carmine. **Africane.**—Dark slate brown on scarlet ground streaked with salmon and pure white. **Carnation.**—Fleshy white, tinged carmine, blotched with purple. **Pyramide.**—Bright orange rose, extra fine. **Rosita.**—Delicate creamy rose, marbled with cherry. **Lemoini.**—Upper petals creamy white, tinted salmon red; lower ones spotted with deep purplish crimson, bordered with bright yellow. **Marie Lemoini.**—Upper divisions of a pale creamy color, flushed salmon lilac, the lower divisions spotted purplish violet, deep yellow border. Any of these varieties 5c each, 50c per dozen.

Lemoini Mixed.—Each 5c, doz. 50c.

Pink, Striped and Variegated Varieties.—Each 5c, doz. 50c.

Red Varieties Mixed.—Each 5c, doz. 40c.

Light and White Varieties Mixed.—Each 5c, doz. 50c.

Choice Yellow Varieties Mixed.—Each 5c, doz. 50c.

Fine Mixed.—Contains a nice assortment. Each 3c, doz. 25c. By express, \$1.50 per 100.

Choice Mixture.—Made up mainly from best named varieties. Each 5c, doz. 40c.

COLLECTION OF GLADIOLI.

—Six choice named varieties, our selection of sorts, but all labeled, containing an assortment of colors. Also one packet of gladiolus seed of our own growing, carefully hybridized so as to produce new varieties; will bloom second year; all for 25c postpaid.



GLADIOLUS.

MADERIA, or Mignonette Vine.—Ornamental climber of very rapid growth. Each 3c, doz. 30c, 100 by express \$1.50.

FREESIA, Refracta Alba.—Small bulbs bearing peculiar clusters of white flowers of the most delicious fragrance, which last a long time even after being cut. Each 3c, doz. 20c.

CYCLAMEN, Giganteum.—One of the finest plants in cultivation for winter blooming. The colors vary from the purest white to the brightest crimson and purple, some flowers beautifully spotted. Each 20c.

IRIS. (Fleur-de-Lis.)—One of the most satisfactory of flowers for garden culture, as they are hardy and require very little care after once set out, and will produce a mass of flowers year after year.

Kæmpferi.—Marvels of beauty and stateliness. Think of a plant sending up a dozen flower spikes, each spike bearing two to four blossoms eight or ten inches across, and of the most delicate and beautiful colors, markings and combinations. Think of a bed of all colors—white, indigo, violet, lavender, mauve, sky blue, royal purple, blush, yellow, etc. Your imagination can conceive of nothing grander, and they are even more grand than your imagination can portray. The king of hardy perennial plants. Once planted in your garden they are a joy for a lifetime, blooming profusely in June and July. Either double or single, mixed. Each 15c, 2 for 25c, doz. \$1.25.

Pumila.—Dwarf, early flowering, light blue, purple and yellow mixed. Splendid for edgings. Doz. 30c; 100 \$2.

German.—The true "Fleur-de-Lis," the national flower of France; perfectly hardy; grow and bloom luxuriantly anywhere, particularly in moist situations. Mixed colors. Each 10c, 3 for 25c.

PAEONIES.

These are very beautiful, showy and easily cultivated plants, blooming from the beginning of May to the end of July. They should have a place in every garden. We offer best sorts, mixed colors. Each 25c, doz. \$2.50.

LILIES.

No class of plants capable of being cultivated out of doors possess so many charms; rich and varied in color, stately and handsome in habit profuse in variety, and of delicious fragrance. They thrive best in dry, rich soil, where water will not stand in winter.

Coral Lily.—The flowers are a brilliant crimson, and have a peculiar waxy or coral-like appearance, quite distinct from all other flowers. Each 15c, 3 for 40c, doz. \$1.50.

Candidum.—The pure white garden or Easter lily; flowers snow white; hardy and free blooming. Each 10c, 3 for 25c.

Auratum, or Japanese Gold Banded Lily.—This is justly entitled to the name often given it—The Queen of Lilies—and it is decidedly the most beautiful of all lilies. The immense flowers are deliciously fragrant. The large white petals are thickly spotted with chocolate crimson and have a bright golden yellow band through the center of each. This magnificent lily succeeds well everywhere. Each 20c, 3 for 50c.

Speciosum Album.—Large, pure white flowers of great substance, beautifully recurved. For garden or pot culture. Each 15c, 3 for 40c.

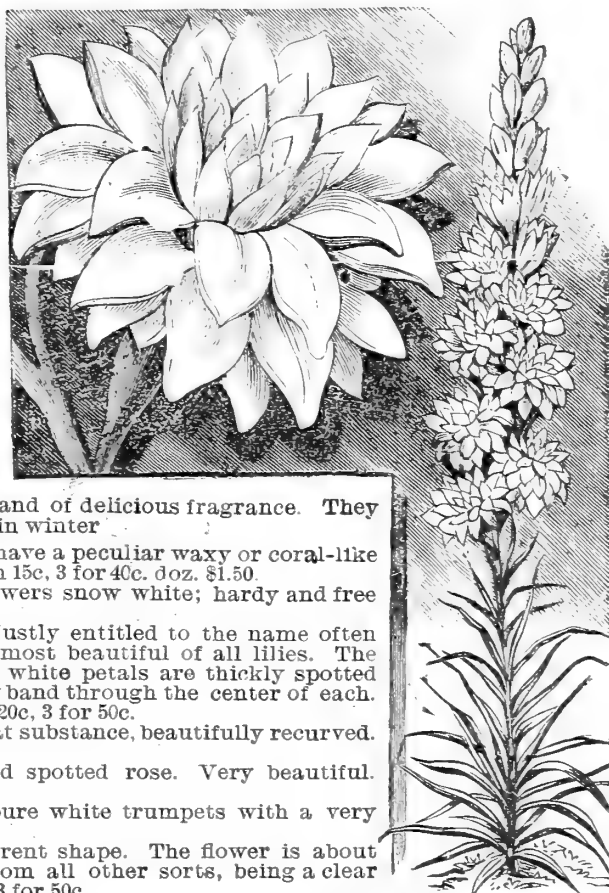
Speciosum Roseum.—Pure white ground stained and spotted rose. Very beautiful. Each 15c, 3 for 40c.

Harrisii.—(The Bermuda Easter Lily.) Immense, pure white trumpets with a very delicate pervading fragrance. Each 20c, 3 for 50c.

Lemon Lily.—It is not a true lily as the bulb is of different shape. The flower is about 3 inches in diameter. The color is entirely different from all other sorts, being a clear lemon yellow. Delightful lemon fragrance. Each 20c, 3 for 50c.



AURATUM LILY.



PEARL TUBEROSE.

WINTER BLOOMING BULBS.

Some of the most beautiful and fragrant of all the flowers grown belong to this class, such as the Hyacinth, Tulip, Narcissus, Crocus, etc. Our bulbs, which are grown by one of the best bulb growers in Holland, arrive in this country about Sept. 15. Send for fall catalogue.

FLOWER PLANTS.

A specialty with us and we are devoting a large space to the growing of flower plants exclusively for the mail trade, as they require special culture for this purpose, and must be hardy as well as strong, vigorous and healthy. Our system of packing is so very complete that plants arrive in almost as perfect condition after traveling many hundreds of miles as they were when packed. At prices named we send the plants postpaid. Orders for plants must amount to at least 25c. We will furnish plants amounting to \$1.20 for \$1.00, \$2.50 for \$2.00, \$7.00 for \$5.00.

BEGONIA—Vernon.—Of unusual value for bedding, as it will stand the hot summer sun. The flowers are of a brilliant deep red color; the foliage is very abundant, deep and glossy, and of a fine green color, spotted and margined with bronzed purple. It thrives everywhere and is equally good as a winter bloomer. Each 10c.

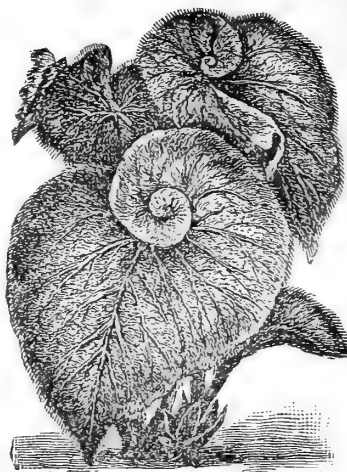
Thurstoni.—A beautiful stately plant. The under side of the leaves is a rich, purplish red, the veins very prominent, while the face or upper side is a bronzy green, shaded with crimson and olive; flowers rosy white; large clusters. Each 15c.

Metalica.—This elegant variety has very large leaves shaded with green, crimson and olive, with a peculiar metallic lustre over all; flowers a clear pink, shaded white. Each 10c.

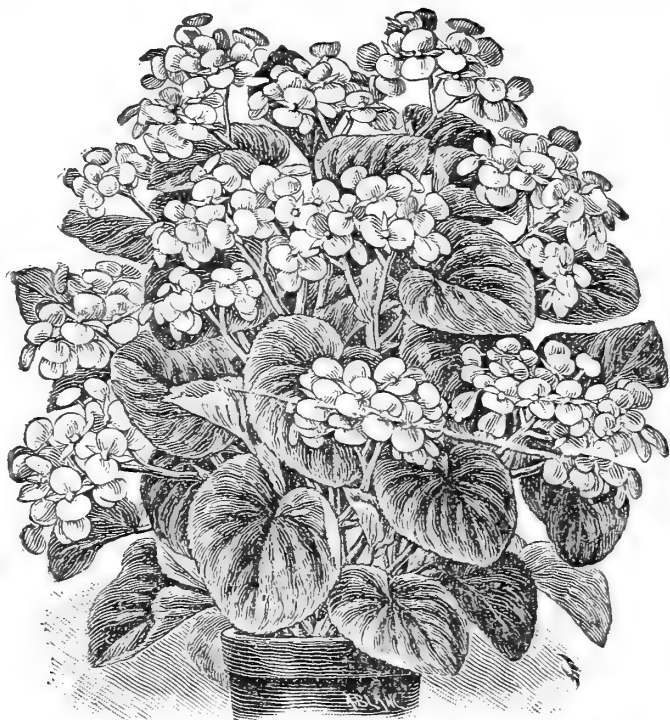
Erfordi.—Very popular small variety. Each 10c.

Rubra.—One of the finest; a constant bloomer; color scarlet rose. Each 10c.

Argentea Guttata.—Purple bronze leaves with silvery markings. White flowers. Splendid for house culture. Each 10c.



LOUISE ERDODY BEGONIA.



VERNON BEGONIA.

CARNATION.—Fragrant flowers are always sought after, and the rich, spicy odor of the carnation, combined with various colors, leaves little to be desired. Easily grown and bloom freely.

Silver Spray.—A grand, pure white, early and free-flowering carnation of healthy, vigorous growth; makes fine bushy plants, and bears an abundance of flowers on long stems; never bursts; petals, finely fringed and very fragrant; an excellent variety, and best of all for general use. Each 10c.

American Flag.—An immense strong, vigorous grower and profuse bloomer. Very fragrant. The color is distinct from any other variety, being distinctly and regularly striped vivid scarlet and pure white, giving it a most novel and striking effect. Each 10c.

Tidal Wave.—Color bright rosy pink, changing to a beautiful soft pink with salmon shading. Excellent for pot culture. Each 10c.

Gold Finch.—A beautiful new golden yellow carnation; full and double; continuous bloomer. Each 10c.

Portia.—The most intense bright scarlet; flowers of medium size and very freely produced. Each 10c.

Daybreak.—Flowers large, of heavy texture, lasting a long time when cut; color a pure bright flesh with no salmon shadings. A free bloomer. Each 10c.

VERBENA.—One of the most popular of all plants for bedding; we have many varieties, including all the new kinds. Each 5c, doz. 50c.

STAPELIA.—Curious plants with star-shaped flowers; buff yellow, with maroon markings. Each 10c.

CHRYSANTHEMUMS.—These are now, and deservedly, the most fashionable of all autumn flowers. **Illumination.**—See novelties. Each 20c. **Golden Wedding.**—(See cut No. 1.)—Undoubtedly the grandest golden yellow variety ever introduced. A remarkably vigorous grower and carries its great globular flowers erect, giving it a bold majestic appearance. **Good Gracious.**—So remarkable for size as to suggest its name; color a delicate shade of peach pink throughout. The form is remarkable, the petals are incurved and twisted, overlapping each other in irregular fashion and resembling talons. **Gettysburgh.**—The darkest crimson variety; outer petals broad and drooping and have lustrous sheen in the sunlight. **Improved Ostrich Plume** (*Enfant des D' Mondes*).—A great improvement. Grand, large globe shaped flowers; petals broad and thickly covered with fine downy hairs. Color creamy white. **Kioto.**—Very large, incurved yellow; extra fine. **Mrs. Perrin.**—(See cut No. 3.)—A wonderfully clear bright pink. The flower is of globular incurved form and of fine satin finish. **V. H. Hallock.**—(See cut No. 2.)—A lovely shade of shell pink; deep, full flower; high, incurved center. **George W. Childs.**—Deep, rich, velvety crimson; a grand red sort. **Fairest of the Fair.**—(See cut No. 4.)—A compact growing sort, producing an immense number of small flowers of deep pink color. Any of above, except Illumination, 10c each.

COLLECTION One plant each of the above 10 varieties of chrysanthemums for 75c, making a grand collection at a low price.



CARNATIONS.—1, Silver Spray. 2, American Flag.

Louise Erdody.—A striking peculiar variety of the Rex type, the leaves having a metallic lustre; dark silver in center, shading to coppery rose towards the margin, the spiral twisting of the leaves, giving it a very curious appearance, making it entirely distinct from any other variety. Each 25c.

Semper Florens Gigantea Rosea.—A superb variety; strong, upright growth; fine large flowers of clear, cardinal red, and the bud only exceeded in beauty by the open flower. Each 15c.

Rex.—A magnificent class of house plants, remarkable for the variety and beautiful markings of the foliage. Each 20c.

Alba Picta.—Leaves glossy green, thickly spotted with silvery white; flower white. Each 10c.

WANDERING JEW.—Variegated. —Foliage beautifully variegated with white, pink and green. Each 10c.



CHRYSANTHEMUMS.

GERANIUMS.

For constancy of bloom the geranium is unequalled. We have tested a multitude of varieties and have selected only those which we are sure will please our customers.

SINGLE VARIETIES.

Mrs. J. M. Garr.—One of the finest single white bedders. The plants are a mass of bloom all summer. **Souvenir de Mirande.**—The finest geranium of late introduction. It has nicely formed, round florets, upper petals cream white, with distinct salmon rose border; lower petals salmon rose, streaked with pure white; very free flowering and produces fine trusses of its magnificent blooms.

Bridal Wreath.—Similar to Souvenir de Mirande, but colors opposite, being a pink body color with white edge. **Joculosity.**—Large orange yellow. **La Vostal.**—The best single white. **Peach Blossom.**—The color of a peach blossom exactly. **Mrs. A. Blanc.**—Apricot red, veined darker, with center of vinous rose. **Mad. Du Lac.**—Beautiful bright rose, upper petals blotched pure white. Large trusses of fine shaped single flowers. **New Life.**—The flowers are vivid scarlet, irregularly striped with salmon and white like a carnation; truss good, very free flowering; sports sometimes, no two flowers alike; very attractive and popular. Any of above sorts 10c. each, 1.00 per doz.

The Wonder.—The flowers are the most intense, dazzling scarlet, and are borne in great trusses of enormous size, measuring from 18 to 20 inches in circumference, with single florets measuring 7 inches in circumference. The foliage is fine and rich in color, and in strong contrast to the brilliant scarlet flowers. Each 15c. **Mars.**—The flowers are produced in great profusion upon large sized trusses. Color a beautiful rosy salmon, veined with carmine with white eyes. The foliage is fine and rich in contrast to the beautiful salmon flowers. A grand new variety. Each 15c.

DOUBLE GERANIUMS.

Remarkable.—As will be seen by our illustration, the habit of growth is dwarf and compact, making this variety one of the most desirable for pot culture. Has perfect trusses of miniature rosebud florets, which are wonderfully attractive and pleasing. Color brightest possible scarlet crimson. Each 15c. **S. A. Nutt.**—The best of all rich dark crimson varieties; the flowers are of perfect shape and large size. A grand bedder. We sell more of these to our local customers than of all other varieties combined. Very desirable for borders and large beds. **White Swan.**—A noble variety. Florets large and very double, always purest white; continually in bloom. **Asa Gray.**—One of the best; bright salmon pink. **Bruanti.**—Fine double bedding geranium; light vermilion red; trusses exceptionally large and borne in immense spherical balls often eight inches in diameter. **Mrs. E. G. Hill.**—A most distinct and pleasing shade of salmon with light shading at the center. **Gold Finder.**—A rich, golden, orange scarlet, its large trusses opening freely, the habit being as free and robust as that of any other variety.

Yellowest of all geraniums.

Glorie de France.—A grand variety; center distinct; dark salmon; border rosy white. **Harriet Thorpe.**—Delicate blush, shaded with pearl pink. **La Favorite.**—Best double white geranium ever introduced; a strong grower and profuse bloomer; purest snowy white. Any of above sorts, except where noted, 10c each, doz. \$1.00.

Scented Geraniums.—Six varieties. Each 10c.

Fancy Leaved.—Six varieties. Each 10c.

PANSY GERANIUM.—Flowers of medium size and have a white throat. Each petal is shaded toward the center with a rich lavender pink and a dark maroon blotch in the center. Very handsome; will attract much attention. Each 25c.

IVY LEAVED GERANIUMS.

Charles Turner.—Very double; color rich, deep pink. Each 10c.

Jean de Arch.—Very large and finest white in existence. Each 10c.

P. Crozy.—A hybrid between the Zonales and Ivies. Color soft, bright scarlet, with veinings of maroon. Each 10c.

COLEUS.—Best and cheapest ornamental leaved plant we have for bedding. A few plants will make a beautiful bed. Each 10c, doz. 65c.



WHITE PHENOMENAL FUCHSIA.

FUCHSIAS.—These, when in full bloom, are the most graceful of all cultivated plants; nothing surpasses the beauty of well grown specimens. They delight in a light, rich soil, and may be grown either as pot plants or in a sheltered border. In either case they should be protected from the hot mid-day sun and from wind.

White Phenomenal.—Most of our patrons are acquainted with Fuchsia Phenomenal, and know what a very desirable variety it is. This variety is fully as large, sometimes three inches across, and the flowers are double white, veined at base with carmine. Tube and sepals bright carmine. It is of strong, robust habit, the flowers being borne in the greatest profusion, and it may almost be called a perpetual bloomer. It is the flower for everybody. Each 25c.

Mrs. E. G. Hill.—A most perfect and beautiful double white. The short tubes and sepals are a bright, rich, reddish crimson color, corolla extra large, full and double; flower of the largest size; is of robust, upright growth, compact and very symmetrical. Each 15c.

Black Prince.—Tube and sepals bright, waxy carmine, sepals large and broad with pale green tips; large, open, pale pink corolla. Easily grown in tree form. Each 10c.

Phenomenal.—Very large flowered sort; sepals bright scarlet with rich violet purple corolla, flaked with red; very double. Each 10c.

Storm King.—Of enormous size. The sepals are glowing scarlet crimson, while the large double corolla is of delicate waxy whiteness, elegantly penciled with deep, bright crimson. Each 10c.

Trailing Queen.—Of beautiful trailing habit, fine for hanging baskets. Each 15c.



REMARKABLE GERANIUM.

Speciosa.—Sepals blush, corolla carmine. Each 10c.

Little Beauty.—Charming variety; begins to bloom when only 2 or 3 inches high and continues to flower the year round. Tube and sepals bright red, corolla deep purple. Each 15c.

FARFUGIUM.—Leopard Plant. Each 25c.

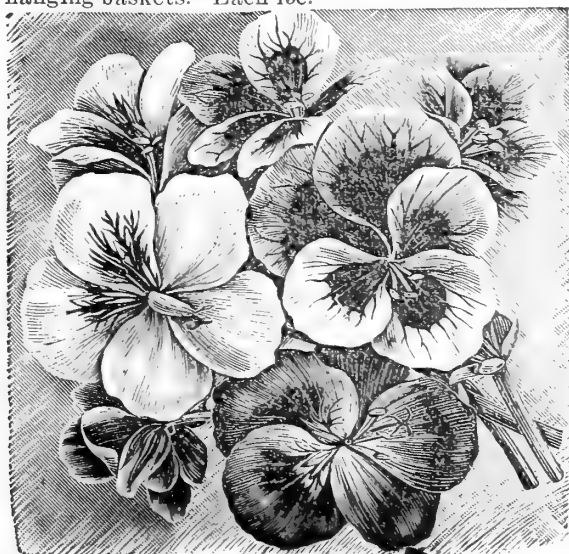
FEVERFEW.—Double White. Each 10c, doz. 75c.

FERN.—Beautiful for rockwork or as specimens for parlor. Each 20c.

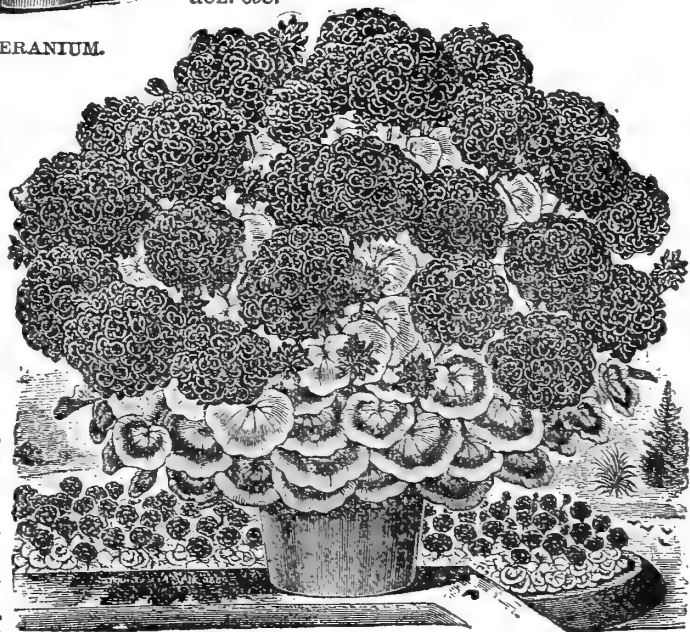
GLECOMA.—(Variegated Ground Ivy.)—Foliage bright green, marked with pure white; hardy and ornamental. Each 10c.

MANETTA.—Bicolor.—A pretty little vine blooming constantly. Color vivid crimson scarlet, tipped with golden yellow. Each 10c.

VINCA.—Leaves handsomely variegated; flowers bright blue. Each 10c.



PANSY GERANIUM.



S. A. NUTT GERANIUM.



DOUBLE PETUNIA.

SWAINSONIA.—We bring prominently before flower lovers this distinct climbing plant for house culture and protected spots in the garden. The Swainsonia is a native of Australia. The habit of growth is extremely graceful, and the vines, trained up at the side of a window or on a trellis, present a lovely sight of light-green, feathery foliage, and a splendid profusion of pure white sprays of fairy-winged flowers somewhat resembling Sweet Peas in form. Easily grown, and under favorable conditions it is almost a perpetual bloomer. There is certainly no climbing vine for house or conservatory culture today that is more desirable than this fine, new plant. Each 15c.

WATER HYACINTH.—One of the most remarkable, curious and beautiful plants we have ever grown. Instead of growing in soil it floats in the water. It forms a lovely rosette of its curious, shining green leaves, and throws up spikes of the most exquisite flowers. Each flower is as large or larger than a silver dollar; color a beautiful, soft lilac rose, sparkling as if covered with diamond dust. The upper petal, which is the largest, has a large metallic blue blotch, and in the center of that a small, deep, golden yellow spot. Each 15c.

SANSEVERIA.—Zelanica. —A singular plant, eminently adapted for decorative purposes in parlors, etc. Dark green, beautifully striped crosswise with white. Flowers white. Each 15c.

MEXICAN PRIMROSE.—Is a perpetual bloomer, in flower at all times of the year, a good specimen showing always from ten to thirty large saucer-shaped blossoms, two to three inches across, of several beautiful colors. Each blossom keeps perfect many days before fading, and when it droops others are out to take its place, and this succession of beauty is continued. The plant is a free grower, succeeding in almost any soil or situation. Each 10c.

DOUBLE PETUNIA.—One of the grandest, most beautiful plants for massing, mixed borders or vases. The brilliancy and variety of its colors, combined with the duration of its blooming period, render it invaluable for garden decoration. We devote special effort to the cultivation of the Double Petunia; we spare no pains or expense to obtain the best results, and as a consequence our stock is unsurpassed and includes all the best blotched and fringed varieties. Each 10c.

Snow Queen.—White varieties are always scarce. This is an extra choice new double white variety which for profuse flowering qualities is unsurpassed and for keeping has no equal. Plant grows about two feet high and often has 200 to 300 flowers on at a time and blooms throughout the season. Flower is of medium size, scalloped, pure snow white and of great substance. Desirable both for out door bedding and winter blooming in the house. Each 15c.

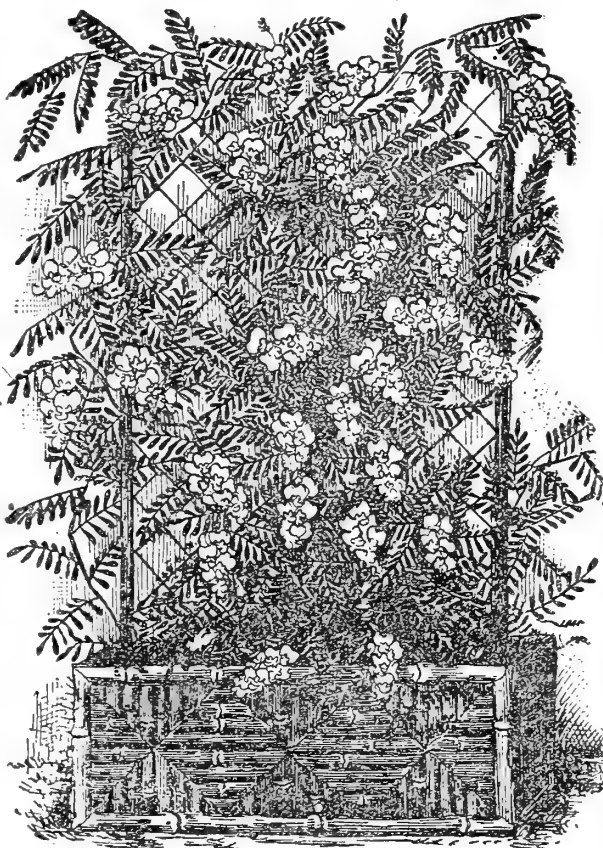
SWORD FERN.—One of the most popular sorts. Splendid for pots, vases or hanging baskets, but especially desirable grown in the wire hanging baskets, in which they thrive well and make wonderfully ornamental plants. Each 15c.

LEMON VERBENA.—A universal favorite because of its great fragrance. Indispensable for bouquets. Each 10c.

OTAHEITE ORANGE.—The most hardy of the orange family, and is desirable for pot culture. It is dwarf of a low, shrubby growth, with beautiful, glossy green leaves and an abundance of large, white, sweet scented blossoms, borne almost continually. The fruit is small and bright orange red in color. A plant of great beauty. Each 25c.



SWORD FERN.



SWAINSONIA.

PRIMULA OBCONICA.—A lovely perpetual blooming primrose and admirably adapted to house culture. The flowers are not large, but are profusely borne in loose trusses and are of a delicate rosy lilac, shading to white, and possess the true primrose fragrance. It is in bloom fully nine months of the year and some plants have kept up a succession of bloom during the entire season. It is not susceptible to changes of temperature that most plants are subject to. It bears its elegant panicles and sprays of beautiful flowers in the greatest profusion. See cut, which was taken from a photograph. It is certainly elegant. Each 15c.

PALMS.—Fashionable decorative house and window plants. Mailing size, 25c each; large, \$1.00 to \$5.00 each by express.

PANSIES.—Our plants are strong and well grown from the best seed. All choice varieties mixed. Doz. 40c. 3 doz. for \$1.00.

PASSION FLOWER.—An attractive vine bearing beautiful flowers. Each 15c.

PELARGONIUMS.—Commonly known as Lady Washington geraniums. Flowers are large, with deep blotches on the upper petals and bright spots on the lower. Each 20c.

SALVIA.—Splendens. —Pretty flowering plants; bright scarlet. Each 10c.

HYDRANGEA.— EACH

Hortensis.—Bright pink flowers..... 15

Thomas Hogg.—Pure white; beautiful 15

Variegated.—Foliage white and green; flowers pink..... 35

HIBISCUS.—Magnificent large flowers; several colors..... 15

HOYA.—(Wax Plant)—The well known house climber, with thick, fleshy leaves and curious waxy flowers.... 10

Variegated.—White, pink and green.. 25

HELIOTROPE.—Snow Wreath.—Nearly pure white..... 10

President Garfield.—Has fine large trusses of deep purple flowers..... 10

IVIES.—English.—No vine excels this.. 15

German.—Grows very fast. Fine for hanging baskets .. 10

Variegated English.—Foliage very prettily marked with white..... 25

MAURANDIA.—Graceful climbers for window or conservatories..... 10

MYOSOTIS.—(Forget-Me-Not)—A charming, constant blooming plant, requiring plenty of water and a partially shaded position .. 10

MARGUERITE DAISY.—New California Paris.—..... 10

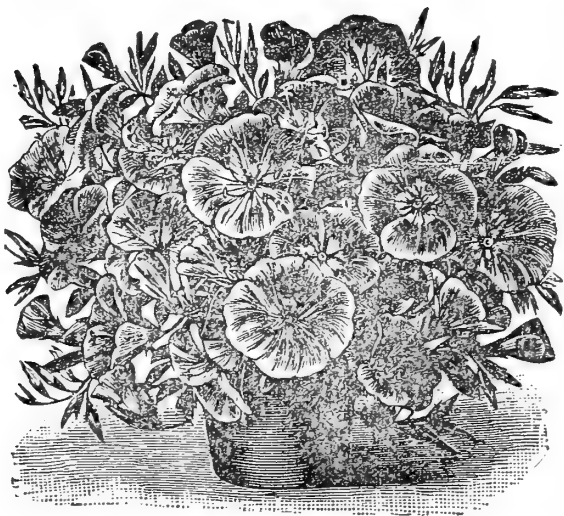
Double Golden.—Beautiful, golden yellow flowers continuously..... 10

MOON FLOWER.—A handsome climber growing 25 to 40 feet, and covered with its white, moon-like flowers.... 15

MOUNTAIN PINK.—A fine plant for basket. Flowers bright pink..... 10

NIGHT-BLOOMING CEREUS.—This gorgeous cactus, which opens evenings, bears abundant blossoms, measuring twelve inches in diameter, and of delicious fragrance..... 25

SMILAX.—Well known, handsome climber, and very popular..... 10



MEXICAN PRIMROSE.



PRIMULA OBCONICA.

ROSES.

The flower of flowers. Everyone should have them in profusion. Our stock is unexcelled.

BRIDESMAID.—An exquisite, bright clear pink, a lovely shade; flowers very large, perfectly double. The buds are large and solid with long stiff stems and handsome glossy foliage. A strong, healthy grower, free from disease. It is also an excellent bedding variety for outside flowering in summer. Each 15c.

EMPRESS AUGUSTA VICTORIA.—The finest white rose in existence for summer blooming. It is a true Tea Rose, soft pearly white, remarkably fragrant, a strong, healthy grower, with bold, beautiful foliage. It is a continuous bloomer, the buds being of elegant, perfect shape; full, open flower is unsurpassed and shows no center. Each 15c.

CHAMPION OF THE WORLD.—The champion bloomer, commencing to bloom as soon as potted from the propagating bench, and continues in the greatest profusion all the time. It is claimed that one plant of it will produce more flowers during the year than ten plants of any Tea rose. Blossoms are perfectly double to the center, of good shape, color a degree of loveliness which few roses can equal, rich, deep rosy pink. Each 15c.

SOUVENIR DE WOOTON.—Color a beautiful shade of velvety crimson, equal to the noted General Jacqueminot, deliciously fragrant, a constant and most prolific bloomer, and the full open flowers are frequently six inches in diameter. Each 15c.

BRIDE.—This is undoubtedly one of the finest white roses ever offered. The buds are very large and of exquisite form, and the full flower very double, measuring from 3½ to 4 inches in diameter. The color is a very delicate creamy white. Each 10c.



MOSELLA ROSE.



BRIDESMAID.

CLIMBING ROSES.

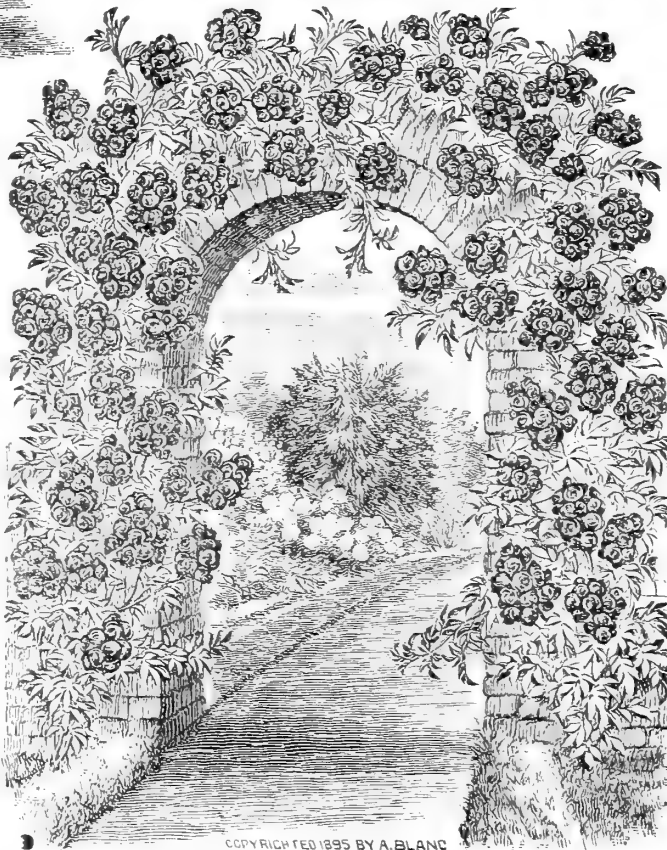
CLIMBING METEOR.—This new rose might almost be called a "Perpetual Blooming Climbing Jacqueminot." Buds exquisite; flowers large, beautifully shaped, and of that rich, dark, velvety crimson seen only in the Jacqueminot. Each 20c.

CRIMSON RAMBLER.—This beautiful rose is truly a most desirable climbing variety. When the shoots are fastened down, or it is grown in a bush form, marvelous heads of bloom are the result. As a pot plant it is unequalled for decorative purposes. It is exceedingly hardy. The flowers with which the plant is covered in the spring are produced in large trusses of pyramidal form and of the brightest crimson color. The blooms remain on the plant for a great length of time without losing their brightness. Each 10c.

YELLOW RAMBLER.—Grand new variety like above except that it is golden yellow. Each 20c.

MARECHAL NEIL.—Very bright, rich golden yellow; very large, full and perfect form. Not hardy in Iowa. Each 20c.

MARY WASHINGTON.—A hardy, perpetual blooming climber, producing double snow-white blossoms in great profusion from June until frost. In this lovely rose our first president took special delight, and named it after his mother, Mary Washington. The original bush can yet be seen growing in the grounds where the world-famed master planted it in his garden at Mt. Vernon. No home is complete without one of these roses. Each 15c.



CRIMSON RAMBLER ROSE.

Wichuriana, the White Memorial Rose.—A nice trailing species of very rapid growth, making a closely matted bed of very dark green foliage. The flowers are produced in the greatest profusion. They are single, pure white, with golden yellow stamens. Appropriate for cemetery; perfectly hardy. Each 15c.

Double White Wichuriana.—A new double flowering variety of the above. Flowers pure white, beautifully imbricated. Each 25c.

Baltimore Belle.—Pale blush, shading to rose color; very double; flowers in beautiful clusters. Each 10c.

Greville or Seven Sisters.—Blossoms in large clusters, varying from white to crimson; perfectly hardy. Each 10c.

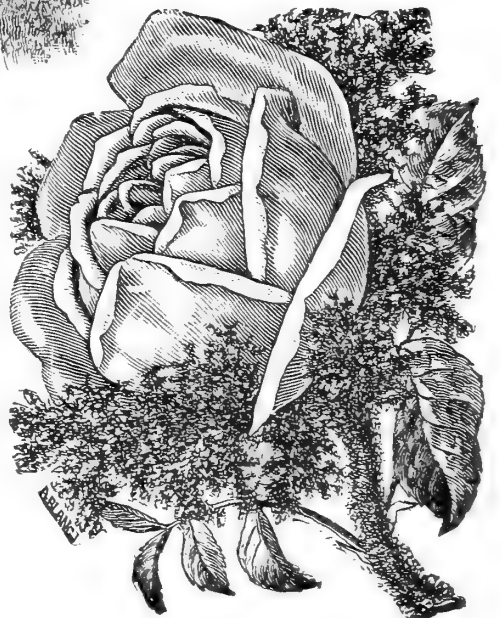
Prairie Queen.—Clear, bright carmine pink; the best hardy climber in this climate. Each 10c.

MOSS ROSES.

The Moss Rose is the acknowledged queen of all roses. The moss-covered stems and buds show off the delicate loveliness of the blossom to great advantage. They are hardy in any location and should be found in every garden. We can furnish either crimson, pink or white at 20c each.

COLLECTION.

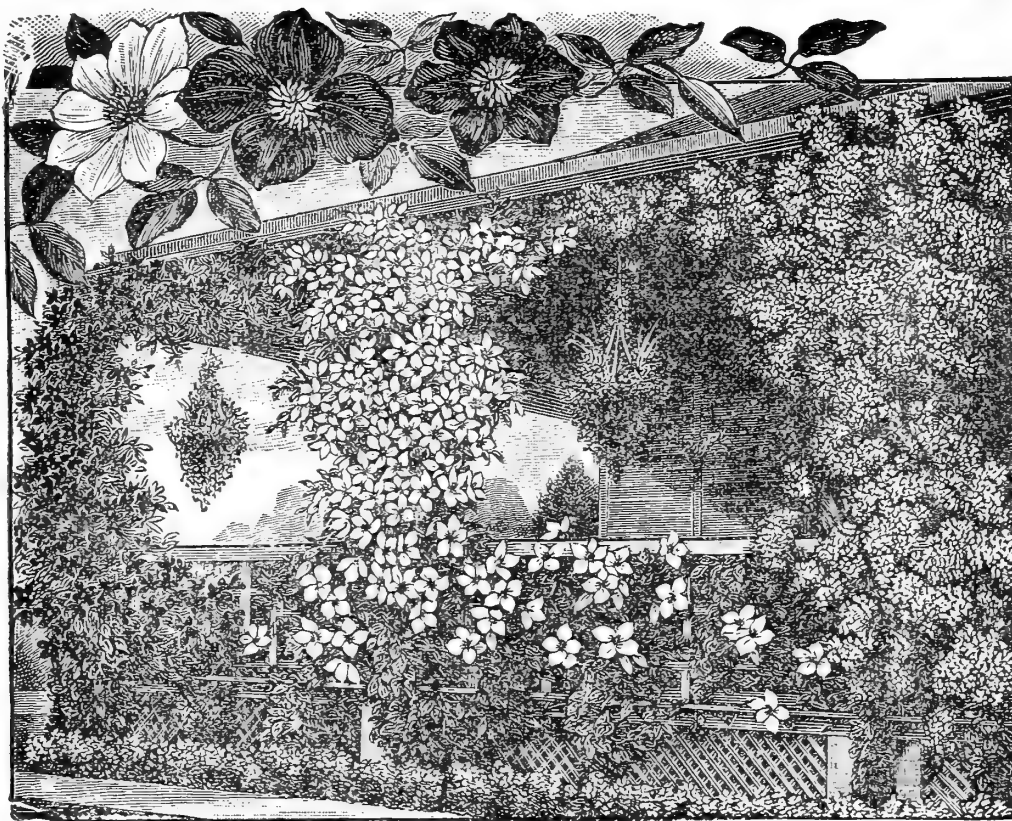
We have many varieties of Ever-blooming Roses which we have not room to describe: 10 choice plants, all different, 75c, 15 for \$1.



MOSS ROSE.



MARY WASHINGTON ROSE.



CLEMATIS JACKMANII.

CLEMATIS HENRYI.

Beautiful Hardy Roses.

The most satisfactory of all flowering plants, making a permanent improvement which is constantly growing in value. Nothing is more beautiful than a nice hedge of these roses. They cost more than the tea roses as they are more difficult to propagate. In the newer varieties the season of bloom is extended throughout the season although the grandest show of flowers is still made in the spring and autumn. The cheaper roses below named are growing plants, from pots, and are sent by mail postpaid, while the larger sizes are strong, hardy outdoor grown plants which have been kept dormant. They are too large for mailing but are sent by express, purchaser paying charges. These can be planted outside early in spring, before it is safe to set out plants that are growing in pots. We can supply these from the time this catalogue is issued up to May 1st. The great value of these roses lies in the fact that they produce better flowers and make stronger plants in a shorter period than those grown from cuttings. The following varieties have proved to be the most satisfactory and we have discarded many varieties largely advertised by others, believing that it is to our customers' interests to plant only the best.

GLORIE DE MARGOTTIN.—This grand new Hybrid Perpetual Rose is believed to be one of the very finest varieties of recent years. Flowers very large and of symmetrical form, somewhat globular, very full and deliciously scented. The color is a clear dazzling red. Certainly one of the most brilliant Roses ever seen. It is a free bloomer and vigorous grower, and is recommended for great beauty and wonderful color. Each 20c. Dormant 35c.

AMERICAN BEAUTY.—One of the best and most valuable roses, both for garden and house culture. Color rosy crimson, exquisitely shaded and very handsome. Extra large full flowers, exceedingly sweet, makes magnificent buds, very hardy and a constant bloomer. Each 15c. Dormant 30c.

GENERAL JACQUEMINOT.—One of the grandest roses in existence. Sure to delight every lover of the beautiful, as nothing can surpass them in beauty. Color a rich, dazzling scarlet, shaded with deep, velvety crimson, making a superb glowing color. Flowers large; free bloomer. Each 15c. Dormant 30c.

COQUETTE DES ALPES.—White, tinged bluish, medium-sized flower, semi-cupped in form, a fine variety. Each 15c. Dormant 30c.

LA FRANCE.—Peach-blossom pink, the model garden Rose; blooms all summer. Undoubtedly the most perfect type of a cut-flower rose. No variety surpasses it in delicate coloring—silvery rose, shaded pink with satiny sheen. Each 15c. Dormant 30c.

MRS. JOHN LAING.—A constant bloomer from spring until after hard frost, and its flowers are simply faultless in shape and outline, while the color is the most exquisite shade of silvery pink. Each 15c. Dormant 30c.

PAUL MEYRON.—Immense double flowers, of shining carmine-pink. Largest rose known; perfectly grand. Each 15c. Dormant 30c.

DINSMORE.—We cannot praise this enough. Always in bloom, with large, finely imbricated flowers of a rich bright crimson. Rather bushy and compact growth. Extra fine as specimen rose upon the lawn. Each 15c. Dormant 30c.

GENERAL WASHINGTON.—Brilliant crimson, very rich and beautiful; large, perfectly double and free bloomer. Each 15c. Dormant 30c.

DUCHESS OF ALBANY.—The flowers are deep pink, very large and full, highly perfumed, and in all respects of first quality. The plant is of strong healthy growth and blooms abundantly. Each 15c. Dormant 30c.

MAGNA CHARTA.—Dark pink; an easy rose to grow. Each 15c. Dormant 30c.

MADAME PLANTIER.—As a cemetery rose it is still without a rival. Flowers borne in great profusion, pure white, hardy as an oak, and as certain to grow as grass. Each 15c. Dormant 30c.

PERSIAN YELLOW.—Perfectly hardy; flowers double and full, deep golden yellow in color; blooms very freely in June. The finest hardy yellow rose grown. Dormant 35c.

ENGLISH SWEET BRIAR.—Very desirable for shrubberies and general planting. Flowers are bright pink and single, but the exquisite fragrance of the flowers, leaves and young branches in the early spring frequently perfume a whole neighborhood. Each 15c. Dormant 30c.

We can also furnish dormant roses of *Prairie Queen*, *Baltimore Belle*, *Crimson Rambler* and *Moss Roses* at 30c.

Ornamental Vines.

A few climbers add greatly to the appearance of any place and make a permanent improvement. Don't omit to ask for a few with your order.

CLEMATIS Jackmanii.—Most magnificent and showy vine in existence; of strong, healthy growth, perfectly hardy and sure to succeed anywhere. Flowers four to six inches in diameter, of a rich, deep velvety purple, distinctly veined. Strong plants, each 50c, large and extra strong, three years old, \$1.00.

CLEMATIS, Henryi.—This is the finest of all white Clematis, and should find a place in every collection. It is not only a vigorous grower, but is a remarkably free and continuous bloomer, beginning with the earliest and holding on with the latest. Flowers large, of a beautiful creamy white. Each 60c.

VIRGIN BOWER.—A very handsome variety of the clematis, growing to a height of 20 feet and making a nice shade for porches, arbors, etc. The first season the plant grows 10 to 12 feet and it is literally covered with thousands of pure white flowers, which are delightfully fragrant, and it blooms continually from July to September. The clusters of silvery white seed balls are covered, apparently, with white silk hair, and will keep nicely for decorations. The vine is perfectly hardy, rapid growing and graceful, and will succeed everywhere. Each 10c. Large plants 25c.

CHINESE MATRIMONY VINE.—A most vigorous hardy climbing plant. It sends out numerous side branches, so that it covers a great amount of space in a short time. Bright, purple flowers, which are succeeded by brilliant scarlet berries. Each 15c.

CALIFORNIA ROSE. (*Calystegia*).—Also called *Perennial Double Morning Glory*. A hardy vine coming from the roots each year, bearing beautiful double pink flowers. Each 20c.

VIRGIN'S BOWER.

TRUMPET FLOWER.—Of rapid growth, with large, showy, trumpet-shaped, scarlet flowers. Each 10c. Large plants 25c.

AMPELOPSIS-VEITCHII (*Boston Ivy*).—This is one of the finest climbers we know of for covering walls, as it clings firmly to the smoothest surface. Each 15c. Large plants 25c.

BLUE CHINESE WISTARIA.—A very rapid grower, and one of the most beautiful of all climbers. It is perfectly hardy, climbing to a height of fifty feet, and when covered with bloom is truly magnificent. Each 15c. Large 25c.

WOODBINE. (*Virginia Creeper*).—A strong, rapid grower with large dark green foliage changing in autumn to bronze and bright crimson. Each 10c. Large 25c.

RED CORAL HONEYSUCKLE. (*Scarlet Trumpet*).—For real home vines, to be near you, climbing over your windows and doorways, there is nothing prettier than this; the foliage is pretty, neat and clean, the flowers almost continuous, and their fragrance delicious: bright red, trumpet-shaped flowers. Each 20c.

HALL'S JAPAN HONEYSUCKLE.—A constant bloomer; flowers pure white changing to yellow; very fragrant; good for trellis or pillar. Each 20c.

CINNAMON VINE.—This beautiful climber is perfectly hardy, and a rapid grower; has beautiful heart-shaped, bright green leaves, and clusters of delicate white flowers. Large tubers for 10c, 3 for 25c; bulbets, per doz. 10c.

APIOS, Tuberosa. This is one of the most beautiful climbing vines. Grows very quickly and blooms profusely, bearing lovely clusters of rich, deep purple flowers. Each 5c; 3 for 10c; doz. 30c.



GENERAL JACQUEMINOT ROSE.

Hardy Shrubs and Ornamental Plants.

In making a home plan for future beauty, comfort and happiness by planting a variety of hardy ornamental shrubs, roses and climbers which will constantly grow in beauty and size. Such permanent improvements add greatly to the value of any property and the value grows from year to year, so that instead of an expense they should be considered a paying investment. We prepay the charges on small plants. The larger sizes are sent by express, purchaser paying charges.

HYDRANGEA PANICULATA GRANDIFLORA.—The grandest as well as the most popular of all shrubs, and hundreds of thousands of them are sold every year and the demand is constantly increasing. Unsurpassed for the lawn, as a hedge or for cemetery planting. It readily attains a height of 5 to 7 feet; hardy in all localities and needs no protection in winter; blooms the first and every season in July and August and continues in bloom for two or three months; the flowers are massive, cone shaped, often measuring ten inches in length, and have a pleasing variation of color, changing from the original pure white to pink, and finally a beautiful rich coppery red. Each 15c. Large dormant plants 25c.

CALYCANTHUS.—A beautiful sweet-scented shrub; flowers purple, quite double, exquisitely fragrant and borne in profusion during the entire season; the foliage and wood are also sweet-scented. Each 15c. Large 35c.

ALTHEA.—(*Rose of Sharon.*) Among the most beautiful of all flowering shrubs, grows 8 to 12 feet high and bears a profusion of double, white, red and variegated flowers. Each 15c. Large 25c.

FLOWERING ALMOND.—One of the earliest flowering and finest little shrubs. Loaded with very double pink and white flowers. Each 25c. Large 40c.

DEUTZIA.—A showy class of shrubs, adapted to any location or soil; especially valuable owing to their compact habit of growth, beautiful luxuriant foliage and free flowering qualities. Flowers pure white with a faint touch of blush on outside of petals. Each 20c. Large 35c.

LILY OF THE VALLEY SHRUB.—(*Andromeda Mariana.*) A beautiful flowering shrub of low growth, bearing numerous panicles of lovely drooping bell-like white blossoms in June; of a peculiar waxy appearance, and so numerous as to almost envelope the plant. It is perfectly hardy; the leaves remain on almost the entire year, turning to deep red after cold weather sets in. Each 25c, postpaid.

HOLLYHOCKS.—We have the choicest varieties of these stately plants, and can furnish white, pink, yellow, salmon and crimson. Strong plants each 20c, doz. \$2.00, postpaid.

ACHILLEA—Alba (*The Pearl.*)—The flowers are large, forming a beautiful plant eighteen inches high. Is completely covered with pure white flowers from July till frost; hardy. Each 10c, doz. 75c.

DICENTRA SPECTABILIS.—The old Bleeding Heart, the flower of our childhood, which is as lovely to-day as then, though not so common. Bears in early spring long chains of pendulous bloom of exquisite beauty. Each 20c, postpaid.

PEONIES.—These are again becoming quite popular and some of the varieties are truly magnificent. Postpaid at prices named.

Fragrance.—Fine rich pink with an exquisite perfume. Large and double. Each 25c.

Double White.—Pure and fragrant. Enormous size and very double. Each 25c.

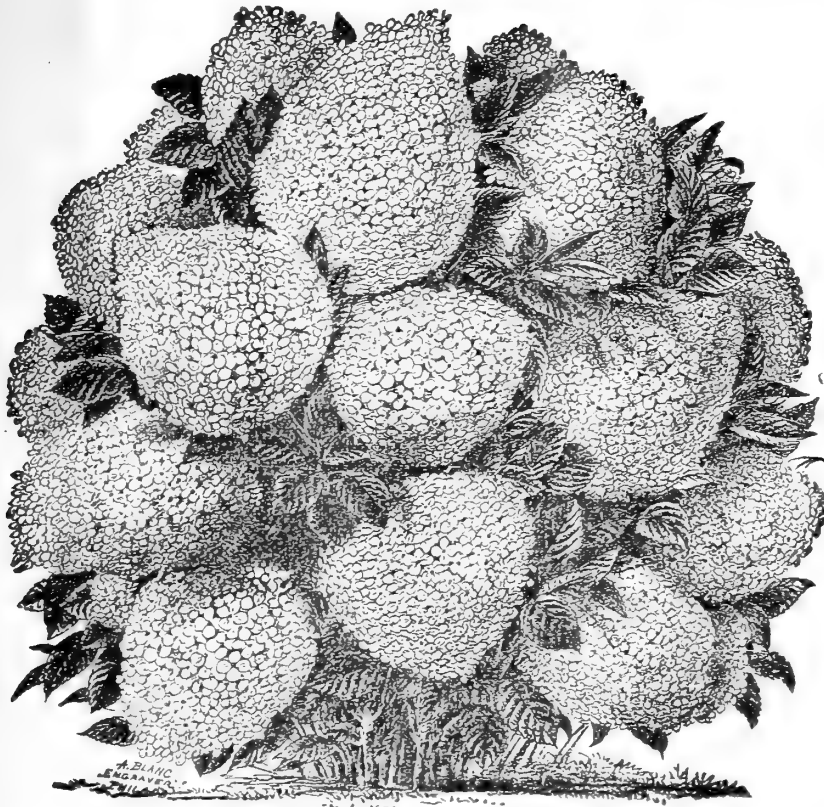
Scarlet.—The true, old, large double scarlet Pæony of our grandmothers' gardens. A grand flower. Each 25c.

Pink and Cream.—Outside petals pink, center bright straw color; beautiful. Each 25c.

Humei.—The largest variety in existence; handsome light rose color; late. Each 25c.

One plant each of the five Pæonies for \$1.00.

HELIANTHUS MULTIFLORUS PLENUS.—A plant that should be in every garden and one that will give entire satisfaction. The flowers are from three to four inches in diameter, as double as any Double Dahlia, and cover the plant from the ground to the top. Color, a bright golden yellow. It should have a sunny position and rich soil. Each 15c, postpaid.



HYDRANGEA PANICULATA GRANDIFLORA.

SWEET PEA SHRUB.—The shrub of shrubs for bouquet makers. When it is in bloom it is really but a big bouquet itself, so full is it of dainty sprays of large, lovely rose-pink blooms. Very hardy and robust, and blooms when small. Its glorious flowers are the size and shape of the most lovely Sweet Peas, but more beautiful. Each 25c.

FORSYTHIA (*Golden Bell.*)—A fine hardy shrub of weeping or pendulous habit; glossy, deep green leaves and bright yellow flowers. Blooms early in spring. Each 20c. Large 35c.

SNOWBALL.—A well known and popular shrub which grows to a large size, covered with dense, spherical clusters of white flowers which gives it its name. Each 25c. Large 40c.

LILAC.—Purple—A well known, strong growing shrub, bearing large, fragrant clusters of flowers early in spring. Each 15c. Large 30c. **White.**—Like above, but has white flowers which make it more desirable to some. Each 25c. Large 40c.

SPIREA—Van Houtti.—This new variety is the hardest of all the spiræes. The bushes form fine, compact clumps, about as broad as they are high; generally 4 or 5 feet. The pure white flowers are borne in such masses that they form great plumes, drooping gracefully, giving the clumps the appearance of a "perfect snow bank of white bloom." Each 20c. Large 30c.

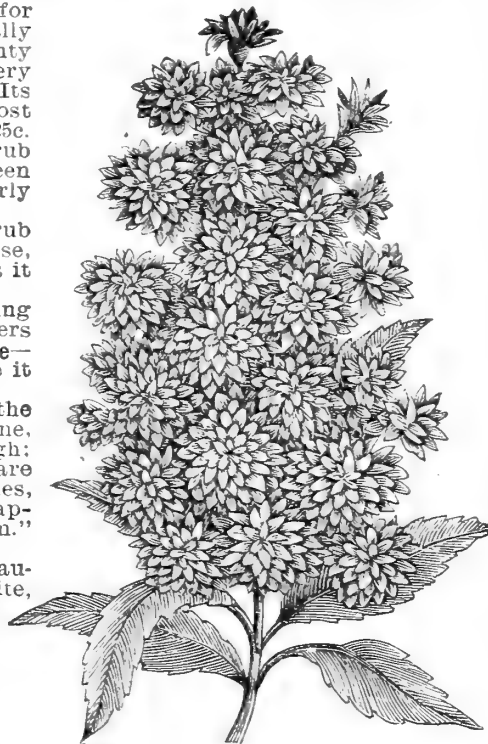
SPIREA—Prunifolia (*Bridal Wreath.*)—Very beautiful; erect habit of growth; flowers pure white, borne in profusion entire length of branches; double, like little daisies. Each 15c. Large 40c.

SAMBUCUS AUREA (*Golden-leaved Elder.*)—Very handsome and striking in appearance. Bright yellow foliage. Each 25c. Large 40c.

SYRINGA (*Mock Orange.*)—A handsome foliaged shrub bearing immense masses of pure white intensely fragrant flowers in June. Each 20c. Large 35c.

WIEGELA.—A valuable Japanese shrub which produces superb, large trumpet shaped flowers in June and July, of all shades from pure white to dark red. Each 20c. Large 35c.

TAMARIX.—This is one of the finest additions to our list of hardy shrubs. The foliage is light, feathery, graceful, sage blue in color, and very ornamental. Blooms early in June, and then all through the summer and autumn. Each 15c, postpaid.



DEUTZIA.

WHITE DAY LILY.—An old favorite, bearing long pure white fragrant flowers. Each 25c.

BLUE DAY LILY.—Lovely blue flowers on tall spikes. Each 15c, postpaid.

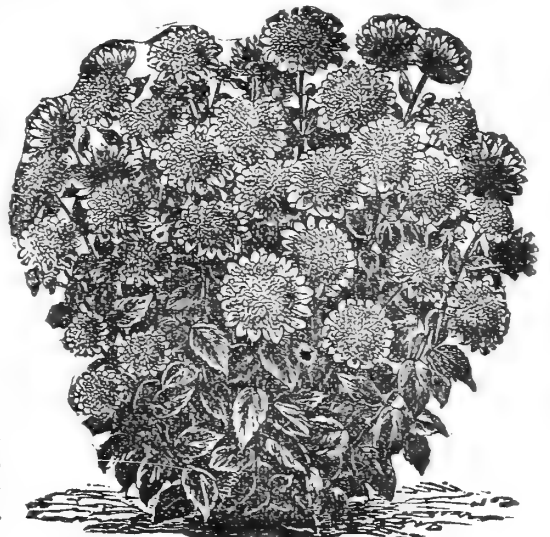
PHLOX SUBULATA.—One of the finest of low, turf-growing plants, fine for carpeting under trees, around rock work, edging beds, etc. Early in spring is very showy with its cloud of bright pink blossoms. We do not understand why this is not more widely grown, for it is perfectly hardy, and will care for itself. Each 10c, doz. 50c, postpaid.

HARDY PHLOXES.—There is no class of hardy plants more desirable than the perennial Phlox. They will thrive in any position and can be used to advantage in the hardy border, in large groups on the lawn, or in front of belts of shrubbery; bloom entire season 12 varieties. Each 10c, doz. \$1.00, postpaid.

COLLECTION.—Six hardy shrubs, mailing size, \$1.00; larger \$1.50. All different—our selection of varieties.



PHLOX SUBULATA.



HELIANTHUS MULTIFLORUS PLENUS.

Nursery Department

Nothing is more healthful than fruit, and nothing more easily grown. Most of our customers can spare room for a small bed of strawberries, a few rows of raspberries, blackberries, currants or grapes, and what is more delicious than a dish of fresh fruit from your own garden. It is wonderful the amount of fruit which can be grown in a space thirty or forty feet square, and it costs but little for plants sufficient to fill it. Remember also, it takes no more room or trouble to grow an apple or cherry tree than it does a shade tree and you will have both shade and fruit. We list only a few of the very best varieties such as we can recommend. The following prices are all for first-class stock, carefully packed and charges prepaid except otherwise noted. Fifty or more of any variety at the 100 rate. Orders for nursery stock must amount to at least 50c. Ask for special prices on large orders sending list of wants.

RASPBERRIES.

Any good ground is suitable for them, and they like it rich. Set in rows five feet apart.

REDFIELD.—A grand new variety introduced by us in 1895. Berries are unusually large and luscious, somewhat similar to Shaffer's Colossal in color and shape. The canes are very vigorous and unusually free from thorns or spines. The foliage is similar to the Turner, yet it propagates from the tips like the cap varieties. It throws up a great many branches of fruit from the old canes; and in our trial grounds, beside a great many old and new sorts, it yielded three to four times as much fruit as any of them. But the crowning features of all are the unequalled flavor, which is superior to all others, and the fact that the berry is of unusually large size and holds together well instead of crumbling like the Shaffers. This holding of its shape is a grand point for market or canning, and will be appreciated by housewives. Don't fail to try it this year. Each 40c, doz. \$3.50, postpaid.

COLUMBIAN.—A seedling of the Cuthbert. Originated in New York. In color and fruit it closely resembles the Shaffer. Is moderately firm, nearly sweet. Little later than the Shaffer with longer season. Plants make a strong, vigorous growth. Each 35c, doz. \$3.00, postpaid.

OTHER VARIETIES.—We can also furnish Older, Kansas, Golden Queen, Souhegan, Shaffer's, Cuthbert, Gregg, or Ohio at 15c each, \$1.25 per doz., postpaid.

TREES.

The following are too large to mail. We deliver, carefully packed, on cars, but purchaser pays freight or express charges.

APPLES—Standard Varieties.	Each.	Per Doz.
and Crabs 4 to 6 feet, select.....	\$ 25	\$2 00
Page's Ideal and Paragon.....	40	3 50
PLUMS—Standard varieties.....	40	4 00
Abundance.....	50	5 00
Stoddart.....	60	6 00
PEARS—Standard varieties.....	40	4 00
CHERRIES—Standard varieties.....	40	4 00
PEACHES—Standard varieties.....	30	3 00
MULBERRIES—Russian. 3 to 5 feet.	30	2 50
EVERGREENS—Scotch Pine 12 to 18 in.	35	2 25
Scotch Pine, 24 to 36 in.....	50	4 00
White Pine, 18 to 24 in.....	35	3 00
White Pine, 24 to 36 in.....	60	5 50
Norway Spruce, 18 to 24 in.....	35	3 00
Norway Spruce, 24 to 36 in.....	50	4 50
White Spruce, 18 to 24 in.....	40	3 00
Am. Arbor Vitæ, 12 to 18 in.....	25	2 00
Am. Arbor Vitæ, 24 to 36 in.....	60	5 00
Siberian Arbor Vitæ, 24 to 36 in.....	75	6 00
Balsam Fir, 18 to 24 in.....	40	3 50
Red Cedar, 18 to 24 in.....	40	3 50
ORNAMENTAL TREES—		
Mountain Ash, 5 to 6 ft.....	75	6 50
Hard Maple, 6 to 8 ft.....	60	5 00
Catalpa Speciosa, 5 to 7 ft.....	40	4 00
Cut Leaved Weeping Birch, 5 to 6 ft	60	5 00

GOOSEBERRIES.

INDUSTRY.—The best English sort yet introduced in this country. Berries are very large, one to one and one-half inches in diameter, of most excellent flavor. Color dark red when fully ripe. Under favorable conditions it bears immense crops. Each 35c, doz. \$3.00, postpaid.

DOWNING and HOUGHTON. Each 20c, doz. \$1.25.

STRAWBERRIES.

You cannot afford to do without them. Plant in rows three feet apart and fifteen inches in the row for field culture, or fifteen inches apart each way for garden, leaving a path every third row. Those marked (p.) have imperfect flowers, and a few plants of some perfect-flowering variety must be planted near them to fertilize them. Ask for prices by the thousand.

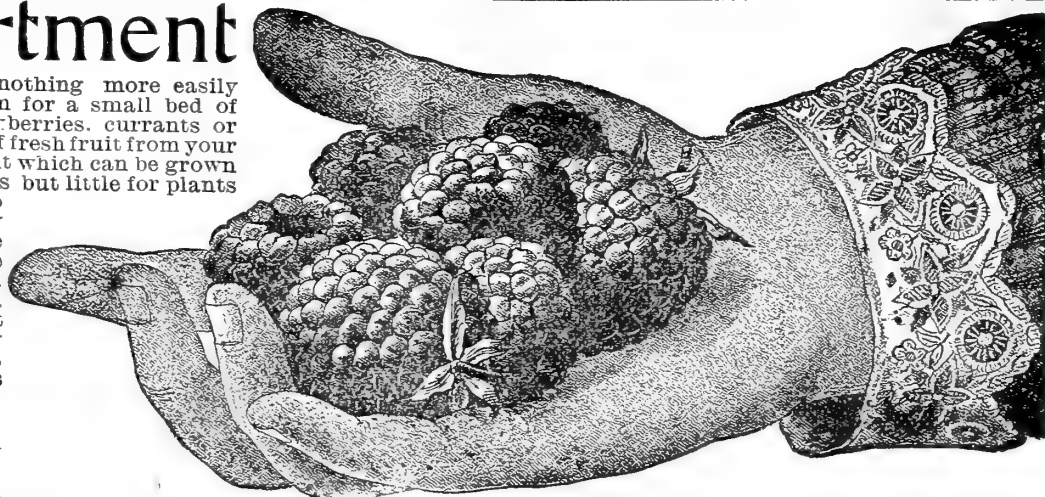
PARKER EARLE.—The best variety for family use, as it is a perfect-flowered sort, is robust and free from disease. Berry regular, uniformly large, conical, with a neck glossy scarlet crimson, no hollow core, quality excellent, fruit borne in greatest profusion, the rate of fifteen thousand quarts to the acre having been gathered. Doz. 50c; 100 \$1.75, postpaid.

GREENVILLE.—(p.) A very productive sort either for the market or home use. Of even, large size, early, firm, fine color and unsurpassed quality. Plants vigorous and healthy. Per doz. 40c; 100 \$1.50, postpaid.

BISEL.—(p.) Vigorous, healthy and hardy, its long roots enabling it to stand the drouth well. Firm and a good shipper. Per dozen 50c; per 100 \$2.00.

GARDNER.—Of extraordinary merit. It has a perfect flower and is a heavy pollenizer. Berry shaped like Crescent, but much larger. Iron clad in hardness, and has the delicious flavor of the wild strawberries combined with large size, and is immensely productive. Per doz. 65c; per 100 \$2.50, postpaid.

OTHER VARIETIES.—Bubach, (p.) Warfield, (p.) Bederwood, Jessie and Crescent Seedling (p). Per doz. 35c, per 100 \$1.50.



REDFIELD RASPBERRY.

BLACKBERRIES.

Plant in rows six or seven feet apart, 3 to 5 feet in row.
ERIE.—Many claim this to be the best of all kinds, and on some soils the canes of iron-clad hardness and of the strongest growth, quite free from rust and other diseases, and wonderfully productive, bending the robust canes to the ground with the weight of fruit. This berry is of the very largest size, excellent quality, handsome and firm: It is the berry for both market and home. Each 20c, doz. \$1.50, postpaid.

OTHER VARIETIES.—Snyder and Stone's Hardy. Each 15c, doz. \$1.00, postpaid.

GRAPES.

There is scarcely a yard so small, either in the country or city, that room for one to a dozen or more grape vines cannot be found. They do admirably trained up by the side of any building, or along the garden fences occupying but little room, and furnishing an abundance of the healthiest fruits. They are as easily grown as potatoes.

NEW COLUMBIAN.—Largest grape grown. Vines hardy and vigorous. The immense fruit is of dark blue color, fine quality, productive, a long keeper and a good shipper. Each 40c, doz. \$3.25, postpaid.

MOORE'S EARLY.—A most profitable black variety. Vine is even more hardy than its parent, Concord, while it ripens fully two weeks earlier, thus obtaining the advantage of larger prices ruling at the time and being more sure to ripen its entire crop in a short season. Fruit is well shown in our illustration, the berry being much larger than Concord, and quality almost identical. Claimed by some to be exempt from mildew or disease. Each 25c, doz. \$1.75, postpaid.

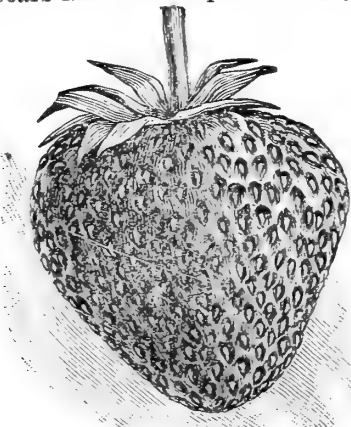
NIAGARA.—Best white grape in cultivation. Vine vigorous, hardy and very productive. Bunch medium to large, berry large, skin thin and tough. Flesh juicy, tender, sweet and delicious. Each 25c, doz. \$1.75.

OTHER VARIETIES.—Concord, the old standard. Cottage, best black grape for arbors. Worden, an improved Concord. Agawam, best red variety. Brighton, desirable red. Pocklington, golden yellow color. Any of above each 20c, doz. \$1.50, postpaid.

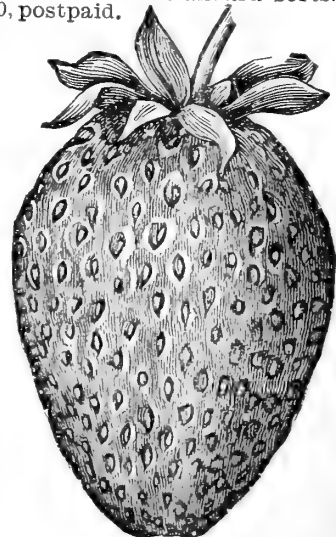
CURRANTS.

NORTH STAR.—Very vigorous and perfectly hardy. The bunches are long, well filled with fruit, and borne in the greatest profusion, the berries are about half an inch in diameter. The fruit is of superior quality, very sweet and rich, desirable for market, and as a dessert or for jelly it is unsurpassed. Each 25c, doz. \$2.00, postpaid.

FAY'S PROLIFIC and other standard sorts. Each 20c, doz. \$1.50, postpaid.

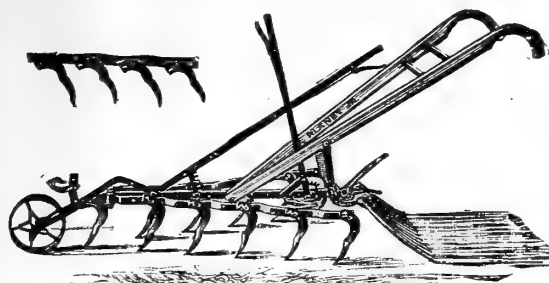


GREENVILLE.



PARKER EARLE.

TOOLS AND IMPLEMENTS.



PLANET JR. TWELVE-TOOTH HARROW.

PLANET JR. NO. 8 HORSE HOE.—Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle. The No. 8 combines all the latest improvements. Levers adjusting it in width and regulating the depth. Everything about the machine has been improved. Ask for circular, gives full description. Price \$7.50.

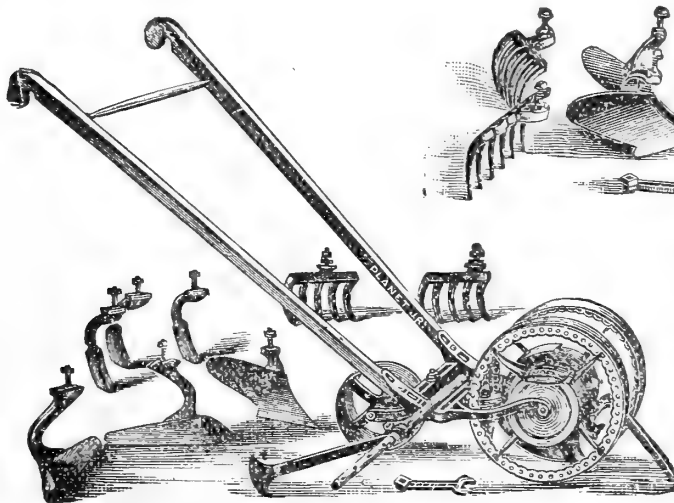
FIREFLY 5-TOOTH CULTIVATOR.—A new tool for 1898 and one which we are sure will be popular. It is very much like the Planet Jr. Horse Hoe, has the same cultivating attachments but the adjustment to wide or narrow rows is made with two set screws instead of hand levers. Only about half the weight and an easy tool for horse and man. Price only \$5.00.

PLANET JR., NO. 1, COMBINED DRILL AND CULTIVATOR.—This is the most popular tool we have ever sold. As a plow it opens furrows, covers them, hills, plows to and from, etc. As a hoe, it works safely to and from both sides of the row at once, or between rows, working all rows from eight to sixteen inches wide at one passage. As a cultivator, it is admirably adapted to deep mellowing of the soil. It sows all garden seed accurately at the desired depth, opening, covering, rolling down and marking the next row all at one passage in the most reliable and perfect manner. Each machine is sent out with the tools shown in the cut. Price \$9.00.

PLANET JR. NO. 4 COMBINED SEEDER AND CULTIVATOR.—The latest improvement for 1898. A new tool which is giving good satisfaction and it has so many good points that we offer it with confidence. It will drop the seed either in a continuous row or in hills, 6, 9, 12, 18 and 36 inches apart. The drill is easily detached and the tool frame substituted. Has all the attachments shown in cut. Price complete \$10.00. As a drill only \$7.00. Attachments can afterwards be purchased for \$3.50, to make a complete machine.

PLANET JR. NO. 15 SINGLE WHEEL HOE.—Another new tool being same as above only without the drill attachment. Price \$6.00.

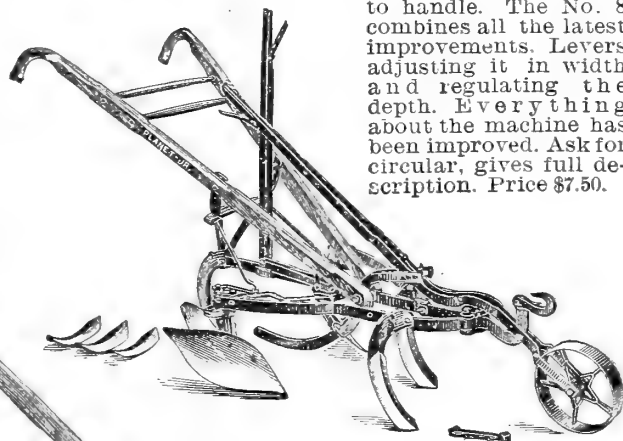
PLANET JR. NO. 3 SEED DRILL.—We regard this drill as the acme of perfection, and most decidedly the best seed sower made. It will sow perfectly either in a continuous row or drop the seed in hills, either 4, 6, 8, 12 or 24 inches apart. It opens the furrow, drops in hills or drills, covers, rolls down and marks the next row, all at one operation. The hopper holds three quarts. The wheel is thirteen inches high. It is changed in a moment from hill dropping to drill work. It has a force feed, sows equally well whether the hopper is full or contains only a paper of seed. It is nicely adapted to all conditions of land, working especially well in fresh ground or when planting on a ridge. Price \$9.00.



PLANET JR. NO. 1, COMBINED DRILL.

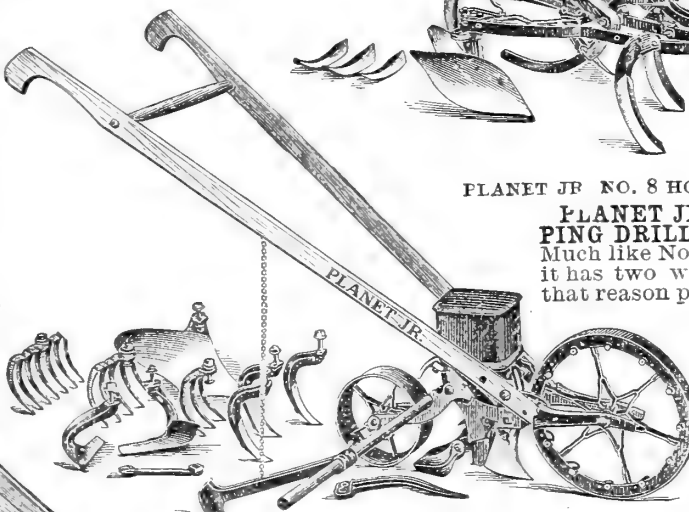
McGEE GARDEN CULTIVATOR OR SPRING HOE.—The invention of a practical onion raiser, who knew just what was wanted and how to make it. It has two wheels connected by an arch attached to frames by a lateral spring, enabling the user to almost "finger-waed" the crop, as the machine is under such complete control. Onion growers claim this is the best cultivator for onions. With each tool there is a pair of knives, that operate as hoes, and a pair of cultivators. Price \$4.40.

ACME SEED DRILL.—A nice little machine which was tested by over 500 gardeners in all parts of the United States last year and gave splendid satisfaction and we therefore offer it with confidence to our customers this year feeling sure that it will please them. It will sow beet, cabbage, carrot, celery, lettuce, radish, turnip, and all such seeds with perfect regularity. It is utterly impossible for it to sow anything but accurately, doing the work as thoroughly as the costly machines, and will cover ten times the ground that can possibly be covered by hand. It is simple in construction, so easily understood that a child can be instantly taught to use it; so simple constructed it is impossible to get out of order. By its use you will save time, save seed, make the work easier and get a better stand. If a longer handle is desired it can easily be attached but we make them short for convenience in shipping. Price \$1.25, or to persons who order seeds from us also, the price will be only \$1.00; charges prepaid.



PLANET JR. NO. 8 HORSE HOE.

PLANET JR. HILL DROPPING DRILL (Double wheel.) Much like No. 3, seed drill, but it has two wheels, and is for that reason preferred by some gardeners. It holds two qts. and sows all kinds of garden seed, either in drills or hills. Price \$10.00. Our special price only \$8.15.



PLANET NO. 4 SEEDER AND CULTIVATOR.

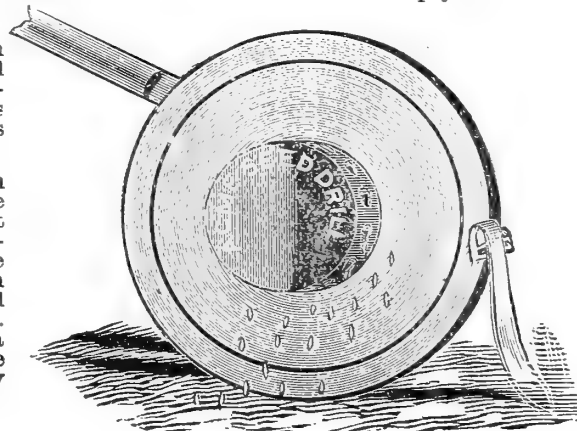
PLANET JR. DOUBLE WHEEL HOE.

The most practical tool made for gardeners. Each tool is sent out with the attachments shown in cut. The arch is high enough to enable the operator to work both sides of the row at once until plants are eighteen inches high; then the wheels can be set to run close together and work between the rows. Leaf guards (detachable) go with each machine, to be used when plants extend into a wide row. This tool is light, very simple, very strong, made of the best material and highly finished, and nothing exceeds the variety and perfection of work it performs. It will do the work of six men with ordinary hand hoes. Price \$6.00. The same plain with no attachments, except one pair of hoes, \$3.50.

PLANET JR. DOUBLE WHEEL HOE.

"FIRE-FLY" SINGLE WHEEL HOE.—This popular tool is exactly the same as "Planet Jr." Single Wheel Hoe, excepting that it does not have the rakes or leaf lifter. The attachments are a pair of hoes that can be set to work to or from the row, a set of three reversible cultivator teeth, and a large garden plow. The whole tool is light and strong and capable of standing hard usage for years. Price \$3.75.

FEARLESS GARDEN CULTIVATOR.—This new tool has many features which will recommend it to the practical gardener. The handles are shaped so that they rest easily on the hands, and the wheel is so high, (23 inches) and broad-tired that it is no more work to cultivate with it than to trundle an empty wheel-barrow. Price \$5.00.





GRANGER HAND SOWER.

strong and durable, and the easiest running machine known, having no feed plate to carry, and only weighing three pounds complete. Will sow orchard grass, blue grass, clover, timothy, wheat, etc. Even if you have only a small field to sow it will pay you to have one of these so as to get it distributed evenly. Each \$1.50.

IOWA BROADCAST SOWER.—An improvement on the Little Giant in that it retains its valuable characteristics, but instead of working with a fiddle-bow, it is operated with a crank. We have had a large number of these made, as we know they will take well with our customers; price only \$2.00.

LANG'S HAND WEEDER

HANDIEST
TOOL



LANG'S HAND WEEDER.—It is, in our opinion, the best weeder made. Its special advantages over all other weeders of this class is that it has a band which passes over the fingers, which, when the tool is not in use, gives full use to the hand for pulling weeds and thinning out plants without laying down the tool. Price 25c; \$2.50 per doz., 30c each, postpaid.



EXCELSIOR WEEDING HOOK.

EXCELSIOR WEEDING HOOK.—Can be used to great advantage among small and tender plants. Price 10c, per doz. \$1.10, or postpaid for 20c each.

HAZELTINE'S WEEDER.—Blade is solid steel, oil tempered and has five sharp edges. Price 30c; or postpaid for 35c each.

ROTARY CORN PLANTER.—Decidedly the best hand corn planter made, and a very desirable implement for those who have but a small field or need to replant their ground. It puts the corn exactly where you want it and at a proper depth. It is easily worked and is a most satisfactory tool in every way. Price \$1.50.

CHILDREN'S GARDENING SETS.—Good, well made tools for the children at 10c, 25c, 50c, and \$1.00 per set.

REDDICK MOLE TRAP.—If you are bothered with moles you should purchase one of these traps. It is undoubtedly the best trap made and no mole can pass under it and live. Price only \$1.00.

TREE LABELS.—3½ inch, notched, 1,000 50c.

POT LABELS.—4 in. pointed; per 1,000 60c.

TRELLISES.—15c to \$2.00 each.

RAFFIA.—Excellent for tying asparagus and other vegetables. Gardeners should try this; per lb. 25c, 10 lbs. \$2.00.

HOTBED THERMOMETERS.—Each \$1.00.

GARDEN TROWELS.—5-in. 15c, 6-in. 20c.

FLORIST TROWELS.—Extra heavy, 40c.

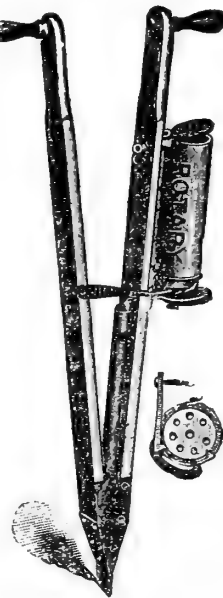
CONCAVED AND CURVED SEED POTATO KNIFE.—Each 35c, postpaid.

GARDEN TOOLS.—Hoes, rakes, spades, scuffle hoes, etc. A great variety at low prices.

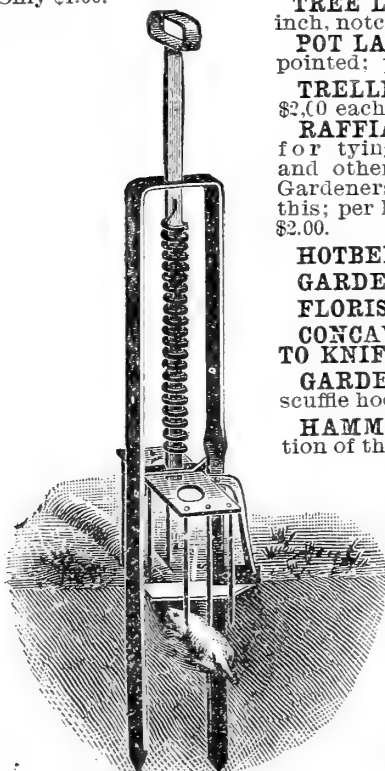
HAMMOND'S SLUG SHOT.—A combination of the most potent insecticides and most soluble plant food. When you order your seeds, if you have not tried Hammond's Slug Shot, order a 5 or 10 lb. pkg. and use it as per directions given with each pkg. Not prepaid. 5 lbs. 35c.; 10 lbs. 65c.; 50 lbs. \$3.00; 100 lbs. \$5.00; by mail, postpaid, 1 lb. 25c; 4 lbs. 90c.

DUSTERS.—For Hammond Slug Shot, each 35c.

COLUMBIA LAWN MOWER.—A good, practical, well-made mower at a very low price. Ask for circular. Price, 14-inch, \$3.75, or one cutting a 16-inch swath for \$4.00.



ROTARY PLANTER.



REDDICK MOLE TRAP.

GRANGER HAND SOWER.—A great improvement on the Ca-hoon and one of the best hand sowers on the market. It runs easily and does the work to perfection. Thoroughly well made, strong and will sow clover, grass seed and small grain far better than by hand and much more rapidly. Price, \$3.00.

LITTLE GIANT HAND BROADCAST SEED SOWER.—Simple in construction, light,

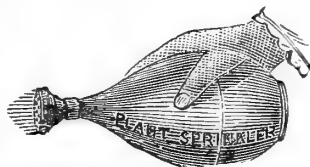


NO. 10 WIRE STAND.

PERFECT PLANT FOOD.—An unsurpassed fertilizer for plants, which is prepared especially for plants grown in the house, garden or conservatory; clean, largely soluble in water, producing healthy plants free from vermin, and early and abundant blossoms. Per lb. pkg. 25c., postpaid for 40c; ½ lb. pkg. 15c, postpaid for 25c.

LAWN FERTILIZER.—A plant food which will force a luxuriant growth, also a very desirable and beneficial fertilizer for garden use; 10 lbs. 75c, 25 lbs. \$1.50, 100 lbs. \$4.25, by freight or express.

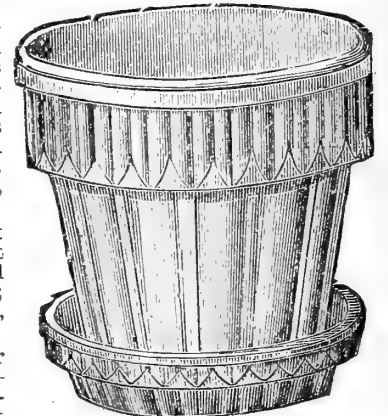
SULPHO TOBACCO SOAP.—In our tests this has proved the most effective of any insecticide, and is perfectly safe to use. Its chief ingredient is the gum of the richest Virginia and Kentucky leaf tobacco. It is formed with whale oil and sulphur in a soluble state, into a soap. The soap is easily dissolved in either warm or cold water. Per 8 oz. can 25c, or by mail postpaid for 35c.



SCOLLEY SPRINKLER.

LAWN TRIMMER.—For cutting edges not reached by lawn mower. Each 75c.

RUBBER HOSE.—Good strong quality which will please you. Per roll of 50 feet \$6.00.



FLUTED FLOWER POT.

SPRAYING PUMPS.—It does pay to spray; there can be no question as to it. Spraying pumps at \$1.00, \$5.00, \$10.00 and \$11.50 each. Illustrated price list free.

SCOLLEY PLANT SPRINKLERS.—Large size, \$1.10, small 75c, postpaid.

VALUABLE BOOKS.

It will pay you to read some of the following books which are sent postpaid on receipt of price. We can furnish any book, magazine or newspaper on agriculture or horticulture at the publisher's price.

Henderson's Gardening for Profit.—New edition. By Peter Henderson. Price \$2.00.

Onions: How to Raise Them Profitably.—Being the practical details by seventeen practical onion growers. Price 20c.

The A B C of Potato Culture.—By T. B. Terry. Revised. Price 40c.

Fitz's Sweet Potato Culture.—Cloth. Price 60c.

E. P. Roe's Play and Profit in My Garden.—The author shows how he evoked a profit of \$1,000 while carrying on pastoral and literary labor. Price \$1.50.

Henderson's Practical Floriculture.—New edition. Price \$1.50.

Practical Fruit Grower.—By S. T. Maynard; 124 pages, fully illustrated. Price 25c.

Farmer on the Strawberry.—Price 25c.

Fuller's Grape Culturist.—By A. S. Fuller. Price \$1.50.

Fuller's Small Fruit Culturist.—Price \$1.50.

Art of Propagation.—Of nursery stock. Price 25c.

Canning and Preserving.—By Mrs. S. T. Rorer. Price 40c.

The Dahlia.—The only American book on this subject, and it is a clear, concise, yet comprehensive treatise. Beautifully illustrated. Should be in the hands of every one. Price 50c.

Book on Canaries and Other Birds.—Price 25c.

POULTRY BOOKS.

American Standard.—Every poultry breeder should have this for a guide if he intends to keep or show pure bred fowls. Price \$1.00.

Philosophy of Judging.—A companion to the Standard. Price \$1.00.

Burnham's Poultry Book.—Complete—342 pages. Price \$1.50.

Practical Poultry Keeper.—A very popular little book. Price 10c.

Some of Lee's Ideas.—On poultry breeding—illustrated. Price 50c; our price only 25c.

Possum Creek Poultry Club.—By Uncle Rastus (J. H. Davis.) A humorous book of 110 pages on poultry culture. Price 35c.

Pigeon Queries.—Of interest to pigeon breeders. Price 25c.

500 Questions and Answers.—On poultry breeding. Price 25c.

A B C of Poultry.—A practical book for the beginner. Price 25c.

Low Cost Poultry Houses.—Plans and specifications. Price 25c.

Special.—Any five of the above 25c books for \$1.00.

POULTRY SUPPLIES.

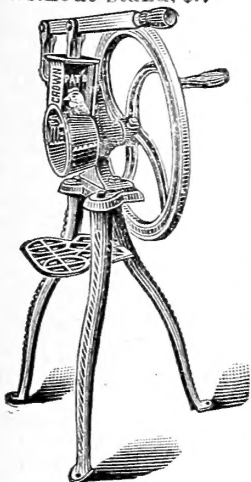
We handle a complete line of poultry supplies and are constantly testing new inventions in this line and are particular to handle only the best, which we are sure will please our customers. Prices are subject to important market changes. We will be glad to name special figures on large lots. Transportation charges to be paid by purchaser except where noted.

PHILADELPHIA POULTRY MARKER.

—To mark chickens a very small hole may be punched in the web of the foot. This hole enlarges as the bird grows and always remains. We furnish a very convenient little spring punch, as shown in cut, for 25c postpaid.

WILSON'S BONE MILL, No. 1.—Will grind shell and dry bone, crack wheat or corn for the little chickens, etc. Price, \$5; our price, \$4.50.

CROWN BONE CUTTER.—Believed by many to be fully equal to the Daisy, but it is not so heavy. It cuts easy, fine and fast. Has taken first premium at the two largest poultry shows in the country. Price, \$8.50, or without stand, \$7.



Crown Cutter.

DAISY BONE CUTTER.—We have tried all kinds of bone cutters that we know of and this works most decidedly the best. Turns easily, cuts fine and fast, and is simple in construction, nothing to get out of order. Weight, 130 lbs. Price, \$18; our price, \$14; or without legs, \$12.50.

POULTRY WIRE NETTING.—The best made, thoroughly galvanized to prevent rusting, properly twisted, made of No. 19 wire and of 2-inch mesh. It is put up in rolls of 150 feet long and of various widths. Prices as follows:

WIDTH.	PER ROLL.	5 ROLLS.
18 inches	\$1.15	\$4.88
24 inches	1.50	6.50
36 inches	2.25	9.75
48 inches	3.00	13.00
60 inches	3.75	16.25
72 inches	4.50	19.50

Cut rolls at 1 cent per square foot.

GALVANIZED STAPLES.—For putting up netting, per lb., 10c.

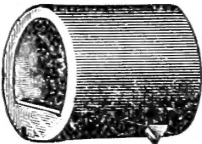
SUCCESSFUL INCUBATOR.—For years we have been experimenting with many different kinds, and we have decided that there is no better nor more generally satisfactory machine on the market than the Successful. It is thoroughly well built of best material, is simply operated, has a good regulator, and many tests have proved that it works much better than most machines. They are made for either hot air or hot water heating. We send with each incubator a book containing full directions for operating the machine, and much valuable information on the care of poultry on a large scale, as well as for a small flock. Price, 100-egg capacity, \$20.00; 200-egg, \$28.00. Ask for price on larger sizes.

ECLIPSE INCUBATOR.—A cheaper machine, constructed on very similar principles to the above, heated with hot water. Price, 100-egg capacity, \$14.00; 200-egg, \$18.00.

HOT AIR BROODER.—A most excellent invention and the best "foster-mother" for chicks, no matter whether hatched in an incubator or under hens. Price, 100-chick capacity, \$8.00; 200-chick, \$11.00.

TESTED THERMOMETERS.—Manufactured expressly for incubators; very sensitive and accurate. We take great pains in packing, but customers must assume risk of breakage in transit. Price, 80c each, postpaid.

STONEWARE DRINKING FOUNTAIN.—For poultry, pigeons and bees. These fountains keep the water cool and clean, and prevent the birds from getting wet. Price, two-quart size, 25c; doz., \$2.50; gallon size, 35c; doz., \$3.50; two-gallon size, 50c; dozen, \$5.00.



BROCKTON POULTRY FOUNTAIN.—Indestructible galvanized iron; will last a life-time. Price, \$1.00.

CAPONIZING INSTRUMENTS.—The use of these adds greatly to the profit in raising poultry. We handle only the best makes; price, with complete instruction book, \$2.50 per set.

GAPE WORM EXTRACTOR.—Price, each 15c. 4 for 50c postpaid.

FRENCH POULTRY KILLING KNIFE.—Best and most humane method of killing. Price, 50c postpaid.



WEBSTER CLOVER CUTTER.—This machine is a small affair, but cuts quite rapidly. Price, \$3. Large size cutter \$7.00.

NEST EGG GOURD SEED.—Price per pkt. 5c; oz., 20c.

PORCELAIN NEST EGGS.—5c each, 30c per doz., 4 doz. for \$1.

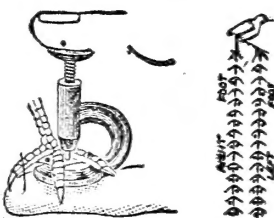
EGG BASKETS.—Use the Climax Grape baskets listed on this page for shipping eggs.

CRUSHED OYSTER SHELLS.—This is a most important article for the poultry yard and should be supplied to the fowls liberally. Of superior quality. Your hens will keep healthier, lay better, and eggs will be more fertile if supplied with it. Price, 10 lbs., 35c.; 25 lbs., 50c.; 100 lbs., \$1.25; 200 lbs., \$2.25; 500 lbs., \$5.00.

CRUSHED RAW BONE.—Really better than the shell, but it will pay to use both. Of the best quality, being manufactured from fresh bones. Price, 10 lbs., 40c; 25 lbs., 75c; 100 lbs., \$2.50.

FINE BONE MEAL.—Ground fine for feeding small chickens, also used as a lawn fertilizer. Price, 10 lbs., 40c; 25 lbs., 75c; 100 lbs., \$2.25.

CRACKER CRUMBS.—An excellent and cheap food for poultry, especially for young chicks. Price, \$1.50 per barrel.



SUNFLOWER SEED.—One of the best egg producing foods known, and will keep your poultry in fine condition and give a gloss to the plumage. Per lb. postpaid 25c; by express 5 lbs. or more, 8c per lb.

PEEL'S POULTRY FOOD.—Will keep hens in good health and cure chicken cholera and other diseases of chickens and turkeys. It is a splendid egg food, endorsed by leading poultry raisers. Per 4-lb pkg., 50c; 1 1/2-lb pkg., 25c.

PRATT'S POULTRY FOOD.—Some prefer it to the above. Pkg. 25c.

BISDEE'S ROUP SPECIFIC.—Best cure for roup. Pkg. \$1 postpaid.

DUST BATH.—Stone dust, \$1.25 per 100 lbs.

GRIT.—Per 100 lbs., \$1.25.

SPONGIA TABLETS.—For roup. Doz. 10c. 4 doz. for 25c. postpaid.

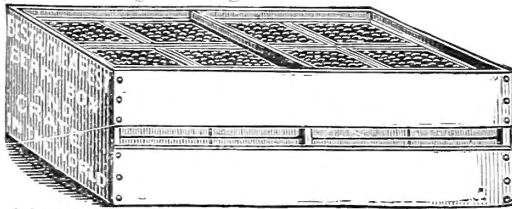
PERSIAN INSECT POWDER.—Ours is the best quality. Price, 1/4 lb., 25c; 1/2 lb., 40c; 1 lb., 75c postpaid.

INSECT POWDER GUN.—Each 10c postpaid.

LAMBERT'S DEATH TO LICE.—A cheap and effectual remedy for all kinds of poultry vermin, moths, lice on horses, cattle or plants, fleas on dogs, etc. Price per pkg. of about 1 lb. 25c, or by mail for 40c.

FRUIT PACKAGES.

Being the oldest and largest dealers in the west in fruit packages, we can furnish you the best stock made, at low prices. Prices are subject to change during season.



BERRY BOXES.

Made of best white wood, heart stock, smoothly cut and perfect shape, size 4 1/2 x 4 1/2 x 3 1/2, and will hold a wine measure quart. The bottom is set up for ventilation. They are put up in bundles of 500 boxes complete for

shipment, and are all ready for putting together, which can be done very rapidly. They are grooved, instead of being simply scored, and when this groove is bent in it makes the box much stronger than any style of box heretofore offered. We furnish 500 at the 1,000 rate; broken bundles at the 100 rate. Price per 100 35c; per 1,000 \$2.40; 5,000 or more at \$2.25. If a large lot is wanted ask for price.

ANNEALED TACKS.—For making boxes, (1 pound makes 1000 boxes) per lb. 30 cts.

FORMS.—To make boxes on, 25 cts each.

MAGNETIC TACK HAMMERS.—Pick up the tacks and save much of the labor. 15 cts. each.

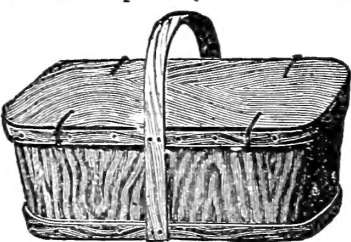
CRATES.—Made of thoroughly seasoned stock, well ventilated at sides and bottom but with a tight cover to protect from dust. We always ship in the flat or "knock down." They make cheap, strong and neat packages holding 16 or 24 quart boxes. 16 quart crates per 10, 85 cts.; per 100, \$7.25; 24 qt. crates per 10, \$1.00; per 100, \$8.50.

CRATE NAILS.—Of barbed wire and far superior to any other. 12 lbs. (will make 100 crates) for \$1.00.

WIRE STAPLING MACHINE.—Price \$35.00.

STAPLING WIRE.—Per lb. 15 cts.; coil of 12 lbs. \$1.00.

IDEAL BERRY BOX MACHINE.—With it you can make 2,000 to 3,600 boxes per day. Price, \$6.00.



CLIMAX GRAPE BASKET.—Illustrated herewith is the best for shipping grapes, cherries, etc. It is of the standard 8 lb. size making a strong but light package. Baskets are nested for shipment with the cover and bent handles in separate packages; also used for egg baskets. Our price includes wire fasteners for cover and nails for attaching handles. Price, per 10, 50 cts; 100 for \$3.25. Ask for price in large lots.

DIAMOND MARKET BASKETS.—Per dozen, 40c.; 10 doz., \$3.50.

DIAMOND EGG BASKETS.—Similar to above but smaller. Per doz., 40 cts.

BEE KEEPERS' SUPPLIES.

In this department, as in all others, we take pains to handle only the best. If a large lot of anything in this line is wanted, send list and get our prices.

NO. 1 DOVETAILED HIVE.—A 1 1/2 story hive for comb honey; a body with eight improved Hoffman thick-top frames and plain division-board; one super with a follower and wedge; six section-holders with slotted separators, section, and foundation starters for frames and sections, and nails. Price, made, \$1.70 each. In flat, \$1.30 each. 10 for \$12.00.

NO. 1 HIVE EMPTY.—Is the same hive leaving out sections and starters; everything else mentioned is included. Price, made, \$1.40 each; flat, \$1.10; 10 for \$10.

NO. 11 DOVETAILED CHAFF HIVE.—A 1 1/2-story hive for comb honey, with body and telescope cover and super cover, 8 Hoffman frames and division-board, one super with follower and wedge, 6 section-holders, 5 slotted separators, sections, foundation starters for frames and sections, and nails. Price, made, \$2.70 each. In flat, \$2.00 each. 10 for \$18.

HONEY SECTIONS.—4 1/4 inch 50 cts. per 100. \$3.00 per 1,000.

COMB FOUNDATION.—Brood 50 cts. per lb. Surplus 60 cts. per lb. Postage 25 cts. per lb. extra.

PARKER'S FOUNDATION FASTENER.—25 cts each. By mail 40 cts.

PORTER'S BEE ESCAPE.—20c each postpaid.

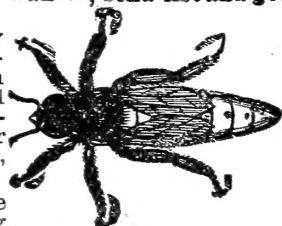
CLARK'S COLD BLAST SMOKER.—50c each. By mail 70c.

TESTED QUEENS.—Can ship any time after April 1st. \$1.50 each

BEGINNER'S OUTFIT.

5 No. 1 Dovetailed Hives complete in flat..	\$6.50	Price of all shipped together—
1 Clark's Smoker.....	.50	
1 No. 2 Veil to protect from bees.....	.50	
1 copy A B C of Bee Culture.....	1.25	
		\$8.00.

Additional supplies which will be very useful: 1 Daisy Foundation Roller 15c, 1 Daisy Foundation Fastener \$1.00, 1 Spur Wire Imbedder 15c, 1 Alley Queen Trap 50c, 1 Porter Bee Escape and board complete 35c, 1 qt. paint for hives 45c, 5 lbs. Brood Foundation \$2.40. Total \$13.00.



BIRDS.

"Little Dewdrops of Celestial Melody."

The companionship of a bird will brighten the life and make the home more cheerful for every member of the family. In this department of our business we have a complete bird store and can furnish all varieties of cage birds, gold fish, etc. We can ship birds safely to the most distant parts of the United States. Express charges to be paid by purchaser on all goods on this page except where stated. Prices are subject to change.

HARTZ MOUNTAIN CANARIES.—These are a specialty with us. They are bred in Germany, high up among the Hartz Mountains, and are famous for their clear, pure, beautiful song which is a restful melody. There is no comparison between these and the common American "screeching" canary whose choppy notes are at times almost ear-splitting. They are perfectly happy in the cage, require little care, and are more hardy than any other bird. Choicest male birds \$3.00 each. Second grade birds \$2.50 each. **Female Canaries.**—For breeding, \$1.00 and \$1.25 each, according to plumage.



HARTZ MOUNTAIN CANARY.

ST. ANDREASBERG ROLLER CANARIES.—These birds are without doubt, the finest songsters in the world. Their tones are sweet, round and full, consisting of delightful bell notes, low water bubble, charming flute notes, and long silvery trills and whistling. They can be taught to whistle a tune and their most restful music continually delights and surprises one by its many changes. They are an ideal bird for an invalid and are often presented by our customers to sick friends. Price \$5.00 each.

NORWICH CANARIES.—Of most brilliant, dark yellow color. Price \$5.00 each.

MOCKING BIRD.—The most beautiful songster of all American birds and has wonderful powers of mimicry. Young birds \$4.00. Singers \$10.00.

RED BIRD, or CARDINAL.—A handsome bird with brilliant plumage and a good whistler. \$2.50. **MEXICAN DOUBLE YELLOW HEAD PARROT.**

BRASS CAGES.—Thoroughly well made and decidedly better than painted cages for birds. Size 6x9 \$1.00; 6½x9½ \$1.25; 7½x10½ \$1.50; 7¾x10¾, \$2.00. Fancy styles and larger sizes, \$2.00 to \$5.00 each.

BIRD SEED.—Best quality of pure, clean seed: Sicily Canary, German Summer Rape, Russian Hemp, Paddy, Sunflower, Superior Mixed Bird Seed and Mixed Seed for Parrots, all 10c per lb., 3 lbs. for 25c. Fine Mixed Bird Seed 5c per lb. Maw 30c per lb. If by mail add 10c per lb. for postage.

PREPARED MOCKING BIRD FOOD.—35c per package.

CUTTLE BONE.—Large 5c, small 2c each.

SONG RESTORER.—A medicine and food combined. Per pkg. 5c. 6 for 25c. Holders for same 10c each, postpaid.

BIRD INSECT DESTROYER.—Per pkg. 10 cents, postpaid.

BIRD CAGE SPRINGS.—10c each postpaid.

THE AQUARIUM.

A well regulated aquarium adds an elegance to any place and is one of the most desirable ornaments for the parlor, library, sitting or dining room. It offers a wide opportunity for the study of nature, the motion of animal life eliciting the admiration of all, while affording instructive amusement for the children. They require very little attention, and live a great many years. The glass fish-globes are more popular than the square aquariums for the home.



COLLECTION.

An 8-inch Fish Globe (holds one gallon) and 2 Gold Fish, 1 Pearl Fish, 1 Silver Fish, box of Fish Food, Shells and Live Moss, making a handsome parlor ornament, all complete, securely packed for \$1.35, worth \$2.00. This is a great bargain.

New Bird Book

Just issued, contains descriptions of all best kinds of cage birds, parrots, etc., with complete instructions how to care for them, simple home remedies for them when sick, directions for training, breeding, etc. Also full information how to make an aquarium, care of gold fish, etc. Worth 50 cts. to any one who has a bird or fish. Also contains price list of everything in this line. Price 10. cents



PARROTS.—When you wish to purchase a parrot it is always best to write and we will send list of such birds as we have on hand. Stock and prices change with the season, ranging from \$4.00 to \$75.00 each.

MEXICAN DOUBLE YELLOW HEAD PARROTS.—Rank highest in talking, singing, and whistling. Choice young birds \$12.00 each. Trained birds beginning to talk, \$20.00.

AUSTRALIAN PAROQUETS.—Beautiful little birds which can easily be taught many amusing tricks. Often called love birds. Price \$6.00 per pair.

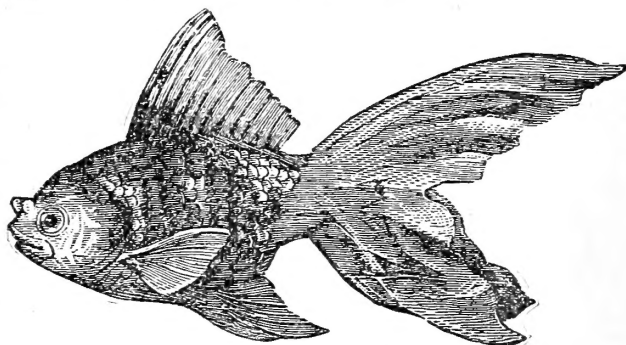
PARROT CAGES.—Either round or square. \$2.00 to \$5.00 each.

BIRD CAGE CHAINS.—10c each, postpaid.

BIRD CAGE HOOKS.—10c each.

WIRE NESTS.—10c each, by mail 15c.

NESTING.—10c per pkg. By mail 15c.



JAPANESE FAN TAIL GOLD FISH.

GOLD FISH.—Of beautiful golden red color, sometimes spotted or marked with black. Price, 15, 25, 35 and 50 cents each. The 25 cent size is the most popular.

PEARL FISH.—Clear pearly white, or variegated white and red. Price, same as Gold Fish.

SILVER FISH.—This is simply an uncolored Gold Fish, of dull, silvery color. Price, 10 and 15c.

GORGEOUS, or COMET FISH.—A greatly admired variety of the Gold Fish with very long tail. When the fish turns in the water the head and tail nearly meet. Price, 35, 50 and 75c each.

FAN TAILED GOLD FISH.—The most attractive of all, having three or four lobes to the tail, which spread out like a fan. They exhibit all the colors of the Gold, Pearl and Silver Fish very brilliantly. Price, 25, 35, 50 and 75 cents each.

With every order for fish add cost of shipping can or bucket: 3 qt. size 15c; 1 gal. 20c; 1½ gals. 25c.

PREPARED FISH FOOD.—A white wafer put up in boxes, which is the best and safest food for fish. 10c per box postpaid.

PLANTS.—*Aquaria Moss* 5c per stem. 10 for 30c. *Umbrella Plant* 15c each. *Calla Lilies* 15c each. *Water Hyacinths* 15c each. All postpaid.

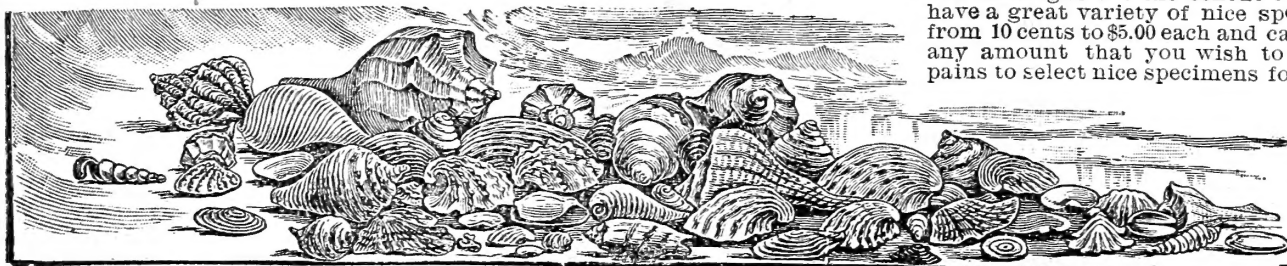
GLASS FISH GLOBES.—See cut. Neat, cheap, well made and most popular. 5 inch diameter 35c; 6 in. 40c; 7 in. 50c; 8 in. 60c; 9 in. 75c; 10 in. \$1.00; 11 in. \$1.25 each.

STANDING FISH GLOBES.—1 qt. 60c; ½ gal. \$1.00; 1 gal. \$1.25; 2 gals. \$1.75; 3 gals. \$2.50 each.

BEAUTIFUL SEA SHELLS.

Everyone likes to have a few of these beautiful parlor ornaments to place on the mantel, brackets, center table, etc., and but few know where to obtain them. We carry a nice stock of them for sale to our local customers and this year decided to mention them in our catalogue for the benefit of patrons elsewhere. We have a great variety of nice specimens ranging in price from 10 cents to \$5.00 each and can make up collections to any amount that you wish to invest. We take special pains to select nice specimens for our out of town customers.

We furnish the small shells in boxes at 15 cts., 25 cts., 50 cts., and \$1.00 postpaid. Mixed shells for the aquarium, pint 30c, postpaid for 45c. Shells make desirable presents as they are elegant ornaments and practically indestructible by fire or water.



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Cabbage	4, 5, 30	Tobacco	14	Convolvulus	41	Mirabilis	44			Water Hyacinth	56
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Chervil	9			Cypress Vine	41	Myosotis	42				
Chicory	5			Dahlia	42	Nasturtium	34, 45				
Chives	21			Daisies	42	Nicotiana	45				
Chufas	21			Datura	43	Nigella	44				
Coffee Berry	27			Delphinium	50	Oenothera	45				
Collards	5			Diamond Flower	42	Oxalis	50				
Corn, Pop	7, 20			Dianthus	42	Palms	34				
Corn, Sweet	7, 20, 30			Digitalis	42	Pansy	46				
Corn Salad	5			Dolichos	50	Passion Flower	45				
Collections	51			Eschscholtzia	42	Perilla	45				
Cress	5			Euphorbia	50	Petunia	45				
Cucumber	8, 31, 32			Ferns	50	Pinks	42, 43				
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Curious Vegetables	9			Forget-Me-Not	42	Poppy	47				
Egg Plant	9, 31			Fountain Plant	42	Portulaca	45				
Endive	9			Foxglove	42	Primula	50				
Garlic	21			Four O'Clock	44	Pyrethrum	50				
Gourds	8			Freesia	42	Rhodanthe	50				
Garden Lemon	9			Fuchsia	42	Roses	33, 34				
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Kale	1			Gladiolus	43	Saponaria	49				
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Leek	9			Gloxinia	50	Scarlet Runner	50				
Lettuce	10, 32			Godetia	42	Sedum	50				
Mangel Wurzel	3			Golden Rod	50	Sensitive Plant	49				
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Parsley	14			Humulus	50	Sunflower	48				
Parsnip	14			Hyacinthus	50	Thunbergia	50				
Peanuts	14			Ice Plant	43	Torenia	49				
Peas	15, 20, 31			Lantana	43	Venus Looking Glass	50				
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Potatoes	37			Lemon Verbena	43	Violet	49				
Potato Seed	37			Linum	50	Wallflower	49				
Pumpkin	16			Lobelia	43	Wahlenbergia	49				
				Lupinus	50	Water Lilies	33				
				Lynchnis	50						

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